Diploma in Engineering

Year	2020
QUT code	EN02
CRICOS	086329G
Duration (full-time international)	8-12 months
OP	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/applying

English Language Requirements

Queensland Senior English (Low Achievement) or IELTS 5.5 with no sub-score 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 1	
EGD113	Energy in Engineering Systems
EGD121	Engineering Mechanics
EGD125	Introductory Engineering Mathematics
QCD110	Academic Communication 1
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 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 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
OP	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 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 offered 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 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 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:

• Civil
• 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.

Sample Structure

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and

	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
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	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

Sample Structure

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

Code	Title
Year 2, Semester 1	
EGB261	Unit Operations
EGB262	Process Principles
EGB323	Fluid Mechanics
2nd Major/Minor Unit	
Year 2, Semester 2	
CVB101	General Chemistry
EGB322	Thermodynamics
2nd Major/Minor Unit	
2nd Major/Minor Unit	
Year 3, Semester 1	
EGB361	Minerals and Minerals Processing
EGB362	Operations Management and Process Economics
2nd Major/Minor Unit	
2nd Major/Minor Unit	
Year 3, Semester 2	
EGB364	Process Modelling
EGH404	Research in Engineering Practice
EGH411	Industrial Chemistry
EGH422	Advanced Thermodynamics
Year 4, Semester 1	
EGH400-1	Research Project 1
EGH463	Plant and Process Design
2nd Major/Minor Unit	
2nd Major/Minor Unit	
Year 4, Semester 2	
EGH400-2	Research Project 2
EGH423	Fluids Dynamics
EGH462	Process Control
2nd Major/Minor Unit	

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
- 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(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.

Sample Structure

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and 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	

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

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

Code	Title
Year 2, Semester 1	
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 2, Semester 2	
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 3, Semester 1	
EGB375	Design of Concrete Structures
EGH473	Advanced Geotechnical Engineering
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 2	
EGH404	Research in Engineering Practice
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
2nd Major/Minor unit	
Year 4, Semester 1	
EGH400-1	Research Project 1
2nd Major/Minor unit	
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 4, Semester 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 Coordinator	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline 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

Sample Structure

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	

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

Code	Title
Year 2, Semester 1	
CAB201	Programming Principles
EGB242	Signal Analysis
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 2, Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Unit Option	
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 1	
CAB301	Algorithms and Complexity
CAB302	Software Development
EGB240	Electronic Design
2nd Major/Minor unit	
Year 3, Semester 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	
2nd Major/Minor unit	
Year 4, Semester 2	
EGH400-2	Research Project 2
EGH455	Advanced Systems Design
Advanced Electrical or Software Unit Option	
2nd Major/Minor unit	

Bachelor of Engineering (Honours) (Electrical and Aerospace)

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	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

Sample Structure

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and 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	

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

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

Bachelor of Engineering (Honours) (Electrical)

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	Dr Jacob Coetzee 3138 2865 jacob.coetzee@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)(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

Sample Structure

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

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]	
EGH404	Research in Engineering Practice
Year 4, Semester 1	
EGH400-1	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
Advanced Electrical Option Unit[5]	
2nd Major/Minor unit[7]	
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 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
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	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

Sample Structure

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	

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

Code	Title
Year 2, Semester 1	
EGB211	Dynamics
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
EGB323	Fluid Mechanics
Year 2, Semester 2	
EGB210	Fundamentals of Mechanical Design
EGB322	Thermodynamics
2nd Major/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	
Year 3, Semester 2	
EGH404	Research in Engineering Practice
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
2nd Major/Minor unit option	
Year 4, Semester 1	
EGH400-1	Research Project 1
EGH421	Vibration and Control
2nd Major/Minor unit option	
2nd Major/Minor unit option	
Year 4, Semester 2	
EGH400-2	Research Project 2
EGH420	Mechanical Systems Design
2nd Major/Minor unit option	
2nd Major/Minor unit option	

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 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

Sample Structure

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

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 Major/Minor unit	
EGB320	Mechatronics Design 2
2nd Major/Minor unit	
Intermediate Electrical Unit Option OR 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 Major/Minor unit	
Year 3, Semester 2	
EGH404	Research in Engineering Practice
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, Semester 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, 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
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 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

Sample Structure

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and 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	

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

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

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

(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.

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

Overview

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

Career Outcomes

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

In addition, depending on their choice of optional study areas, they will have the opportunity to gain specific expertise in Information Security, Networks and Communications, Intelligent Systems, Data-Centric Computing, or Human-Computer Interaction.

Course Design

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

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

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

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

Computer Science Core Units

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

Computer Science Major Discipline Units

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

Complementary Studies Options

Second Major:

A choice of one second major from:

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

Minors:

A choice of two minors from the lists below:

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

Professional membership

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

Domestic Course structure

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

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

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

International Course structure

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

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

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

Sample Structure

Semesters

Code	Title
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB104	Building IT Systems
IFB105	Database Management
SELECT MAJOR	
Students should select their major prior to enrolling in their Core Option Units	
Year 1, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Core Unit Option	
Core Unit Option	
Year 2, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 2, Semester 2	
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, Semester 2	
IFB399	Capstone Project (Phase 2)
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 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
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 Erwin Fielt 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

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 in-depth 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

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

Code	Title
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
IFB104	Building IT Systems
IFB105	Database Management
SELECT MAJOR	
Students should select their major prior to enrolling in their Core Option Units	
Year 1, Semester 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	Business Requirements Analysis
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
Year 3, Semester 1	
IFB398	Capstone Project (Phase 1)
2nd Major/Minor unit	
2nd Major/Minor unit	
2nd Major/Minor unit OR	
IS Major Elective choice from:	
IAB260	Social Technologies
IAB402	Information Systems Consulting
Year 3, Semester 2	
IFB399	Capstone Project (Phase 2)
IAB401	Enterprise Architecture
2nd Major/Minor unit	
2nd Major/Minor unit	
Note:	
12 credit points (1 unit) to be selected from the IS Major Elective Unit Option list	

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
OP	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
Speaking	6.0

Domestic Course structure

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

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

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

International Course structure

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

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

Bachelor of Games and Interactive Environments (Animation)

IGB100	Game Studio 1: Mini-Game Development
KNB137	Digital Worlds
Complementary Studies Unit	
Complementary Studies Unit	
Year 2, Semester 2	
IGB200	Game Studio 2: Applied Game Development
KNB227	CGI Technologies
Complementary Studies Unit	
Complementary Studies Unit	
Year 3, Semester 1	
IGB300	Capstone Project (Game Design)
KNB217	Digital Creatures
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 Games and Interactive Environments (Game Design)

Year	2020
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
OP	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.

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

International Course structure

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

- 72 credit points (6 units) of games and interactive environments core units, which includes 24 credit 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	
DXB205	Interactive Narrative Design
IGB220	Fundamentals of Game Design
Core Unit Option unit	
Core Unit Option unit	

Bachelor of Games and Interactive Environments (Game Design)

Year 2, Semester 1	
DXB211	Creative Coding
IGB100	Game Studio 1: Mini-Game Development
IGB320	Game Design in Different Contexts
Complementary Studies Unit	
Year 2, Semester 2	
IGB200	Game Studio 2: Applied Game Development
CAB210	People Context and Technology
IGB321 is substituted with CAB210 from SEM-2 2020 onwards.	
Complementary 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	
Complementary Studies Unit	

Bachelor of Games and Interactive Environments (Software Technologies)

Year	2020
QUT code	IN05
CRICOS	092648J
Duration (full-time)	3 years
OP	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.

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

International Course structure

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

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

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	
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	AI 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
OP	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 real-world problems.

Major Units

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

Complementary Studies

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

Second Major:

A choice of one second major from:

- Decision Science

- Statistical Science
- Computational and Simulation Science
- 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 real-world 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 real-world 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 exchange.

Sample Structure

Semesters

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	
Year 2, Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in 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
OP	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

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 human-technology interaction and its focus on practical applications, Decision Science overlaps with other disciplines, notably industrial engineering and operations management, economics and finance. This is a multi-disciplinary field.

The coursework also introduces you to different industries and processes that greatly contribute to the economy and environment of nations around the world. These include manufacturing and production, management, health care, finance and economics, goods and services, infrastructure, transportation and logistics, mining, defence, etc. This study area provides a foundation for a variety of careers, and further study.

There is a strong emphasis on:

Sample Structure

Semesters

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

Code	Title
Year 1, 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
MXB232	Introduction to Operations Research
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	
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 Stochastic Processes
MXB338	Work Integrated Learning in Operations Research
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 (Statistics)

Year	2020
QUT code	MS01
CRICOS	049433D
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
OP	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 real-world problems.

Major Units

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

Complementary Studies

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

Second Major:

A choice of one second major from:

- Applied and Computational Mathematics

- Decision Science
- Accountancy
- Applied Economics and Finance
- Logistics Management
- Biological Sciences
- Chemistry
- Earth Science
- Environmental Science
- Physics

Minors:

- Applied and Computational Mathematics
- Decision Science
- Discrete Mathematics
- 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 real-world 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 real-world 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.

Sample Structure

Semesters

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

Course Rules

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

(a) the first year program as outlined in the course summary
(b) a major study
(c) a second major study or two minor areas of study

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

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

Second Major
A second major may be completed by selecting appropriate units from another major, or from the following additional discipline areas:
Human Biomolecular Science, Innovation and Entrepreneurship, Policy & Governance, Sustainable Environments for Health, Computational Science, Science Communication.

Minors and Extension Minors
Minors and Extension Minors are offered in the following disciplines:

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

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

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

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

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

more credit points per semester, whereas a part-time student is one who is enrolled in less than 36 credit points per semester.)

Notes on the Rules

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

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

3. The major undertaken by a student will qualify the generic award title of BSc and will appear in the award title in parentheses. The general form of the award will therefore be: BSc(Major).

Domestic Course structure

Your science degree

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

Faculty core units

These 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
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	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 English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

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

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

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

Why choose this course?

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

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

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

Career outcomes

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

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

Professional recognition

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

Australia, the Australian Society of Horticultural Science and many more.

Domestic Course structure

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

Faculty core units

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

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

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

Primary major

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

Complementary study areas

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

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

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

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

- computational and simulation science
- 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, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Core Unit Option	
Biological Sciences Major Unit Option	
Year 2, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
2nd major or minor unit	
2nd major or minor unit	
Year 2, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 2	
BVB313	Population Genetics and Molecular Ecology
BVB304	Integrative Biology
2nd major or minor unit	
2nd major 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
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 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 English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

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

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

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

Why choose this course?

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

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

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

Career outcomes

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

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

Professional recognition

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

Domestic Course structure

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

Faculty core units

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

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

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

Primary major

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

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

Code	Title
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1, Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
MXB100	Introductory Calculus and Algebra
Core Unit Option	
Year 2, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
2nd major or minor unit	
2nd major or minor unit	
Year 2, Semester 2	
CVB203	Physical Chemistry
CVB204	Organic Structure and Mechanisms
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 1	
CVB301	Organic Chemistry: Strategies for Synthesis
CVB302	Applied Physical Chemistry
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
2nd major or minor unit	
2nd major 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
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	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 English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Overview

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

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

Why choose this course?

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

Career outcomes

There is currently a shortage of earth scientists in Australia and employment rates are high and salaries great. Earth scientists are in high demand in the energy sector (oil, gas, coal, geothermal) and exploration and mining industries. Many earth scientists find employment in environmental consulting companies tackling geotechnical, groundwater contamination, natural hazards or climate change issues. Earth scientists may work for government agencies such as CSIRO and Geoscience Australia doing applied research, or for state or local governments.

Domestic Course structure

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

Faculty core units

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

From your very first semester, you will

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

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

Your major

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

Complementary study areas

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

You can choose: a second major (eight units); or 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
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Earth 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	
ERB101	Earth Systems
ERB102	Evolving Earth
Core Unit Option	
Earth Science Major Unit Option	
Year 2, Semester 1	
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
2nd major or minor unit	
2nd major or minor unit	
Year 2, Semester 2	
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 1	
ERB301	Chemical Earth
ERB302	Applied Geophysics
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
2nd major or minor unit	
2nd major or minor unit	
Earth Science Major Unit Options	
BVB101	Foundations of Biology
BVB102	Evolution
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
EVB102	Ecosystems and the Environment
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
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
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	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

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	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Core Unit Option	
Environmental Science Major Unit Option	
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	
Year 3, Semester 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
ERB102	Evolving Earth
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small

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

Overview

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

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

Why choose this course?

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

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

Career outcomes

Physicists are an asset to almost any industry. Employment areas of QUT physics graduates are very wide ranging. These include research and development departments of large manufacturing companies, mining and exploration companies, research institutions such as the Commonwealth Scientific and Industrial Research Organisation and the Defence Science and Technology Organisation, government bodies such as the Bureau of Meteorology , environmental protection agencies and health departments, schools, universities and hospitals.

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

Professional recognition

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

Domestic Course structure

During your first year of study you'll get to sample a range of core science

disciplines, allowing you to decide on your major later.

Faculty core units

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

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

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

Primary major

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

Complementary study areas

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

You can choose: a second major (eight units); or 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 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2

Code	Title
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1, Semester 2	
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Core Unit Option	
Year 2, Semester 1	
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
2nd major or minor unit	
2nd major or minor unit	
Year 2, Semester 2	
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
2nd major or minor unit	
2nd major or minor unit	
Year 3, Semester 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)

Year	2020
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
OP	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	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

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	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, Semester 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, Semester 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	
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment
UXH312	Construction Legislation
2nd Major/Minor unit	
Year 4, Semester 1	
UXH400-1	Project - Part A
UXH411	Programming and Scheduling
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 4, Semester 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
OP	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

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

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, Semester 2	
UXB113	Measurement for Construction
UXB114	Integrated Construction
UXB120	Introduction to Heavy Engineering Sector Technology
UXB121	Imagine Quantity Surveying and Cost Engineering
Year 2, Semester 1	
UXB210	Commercial Construction
UXB211	Building Services
UXB213	Advanced Measurement for Construction
2nd Major/Minor unit	
Year 2, Semester 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
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	

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
OP	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 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:

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 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.

Sample Structure

Semesters

- 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)

Code	Title
Year 1, Semester 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, Semester 1	
BSB113	Economics
UXB231	Stakeholder Engagement
UXB233	Planning Law
2nd Major/Minor unit	
Year 2, Semester 2	
UXB230	Site Planning
UXB234	Transport Planning
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 1	
USB300	Property Development
UXB330	Urban Design
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 2	
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment
UXH331	Environmental Planning
2nd Major/Minor unit	
Year 4, Semester 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	

Bachelor of Creative Industries/Bachelor of Information Technology

Year	2020
QUT code	ID03
CRICOS	059227E
Duration (full-time)	4 years
OP	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 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

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

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

Code	Title
Year 1, 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

Code	Title
Semester 1 (February) commencements	

Bachelor of Creative Industries/Bachelor of Information Technology

Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 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	
Year 3, Semester 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:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

Semesters

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
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
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 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
IAB402	Information Systems Consulting

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

Year	2020
QUT code	ID10
CRICOS	096583M
Duration (full-time)	4 years
OP	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) CI: +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

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 384 credit points, made up of 192 credit points from the Bachelor of Communication (Digital Media) and 192 credit points from the Bachelor of Information Technology. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

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

Information technology component

You will complete:

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

Study overseas

Study overseas while earning credit towards your QUT 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, Semester 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 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
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 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	
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

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

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 3, Semester 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:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- 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
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
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 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
IAB402	Information Systems Consulting

Bachelor of Communication (Journalism)/Bachelor of Science

Year	2020
QUT code	ID11
CRICOS	096584K
Duration (full-time)	4 years
OP	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 (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)

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 (Journalism) and 192 credit points from the Bachelor of Science. You will undertake the two components of the double degree concurrently.

Communication component

You will complete:

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

Science component

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

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

Study overseas

Study overseas while earning credit towards your QUT 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)
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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:

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- 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

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
CJB101	Newswriting
CYB101	Introduction to Communication
Science Unit	
Science Unit	
Year 1, Semester 2	
CYB103	Communication Theory and 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
CYB102	Introduction to Media and 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	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Science Unit	
Science Unit	
Year 2, Semester 1	
CJB101	Newswriting
CYB101	Introduction to 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
CYB102	Introduction to Media and 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	
CJB204	Journalism Ethics and Issues
CJB301	International Newsdesk
Science Unit	
Science Unit	
Year 5, Semester 1	
CJB302	Newsdesk
Science Unit	
Science Unit	

Semesters

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	
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 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 1	

Bachelor of Communication (Journalism)/Bachelor of Science

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, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

Semesters

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

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 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 Semester 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
- 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
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	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
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 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	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	

Bachelor 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 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	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science

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

Semesters

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

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 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	
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

Bachelor of Communication (Professional Communication)/Bachelor of Science

Year	2020
QUT code	ID11
CRICOS	096584K
Duration (full-time)	4 years
OP	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) CI: +61 7 3138 2000: SEF: +61 7 3138 8822 askqut@qut.edu.au (Professional Communication); 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)

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

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 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.

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You will complete:

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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)

Bachelor of Communication (Professional Communication)/Bachelor of Science

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

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
CYB101	Introduction to Communication
CYB102	Introduction to Media and Entertainment Industries
Science Unit	
Science Unit	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Science Unit	
Science Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
CWB101	Communication and Composition: Introduction to Academic Writing
CWB102	Influence and Persuasion
Science Unit	
Science Unit	
Year 2, Semester 2	
CCB102	Multi-Media Design
CWB103	Interpersonal and Intercultural Negotiation
Science Unit	
Science Unit	
Year 3, Semester 1	
CCB203	Strategic Speech Communication
CWB202	Rhetoric: Public Communication Skills
Science Unit	
Science Unit	
Year 3, Semester 2	
CCB204	Communication Planning and Practice
CWB201	Corporate Writing and Editing
Science Unit	
Science Unit	
Year 4, Semester 1	
CWB301	Political Communication
CWB303	Communication Project
Science Unit	
Science Unit	
Year 4, Semester 2	
CWB302	Advanced Corporate 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	
Semester 2 (July) commencements	
Year 1, Semester 2	
CYB103	Communication Theory and Practice
CYB104	Managing Social Media
Science Unit	
Science Unit	
Year 2, Semester 1	
CYB101	Introduction to Communication
CYB102	Introduction to Media and 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
CWB103	Interpersonal and Intercultural Negotiation
Science Unit	
Science Unit	
Year 3, Semester 1	
CWB101	Communication and Composition: Introduction to Academic Writing
CWB102	Influence and Persuasion
Science Unit	
Science Unit	
Year 3, Semester 2	
CCB204	Communication Planning and Practice
CWB201	Corporate Writing and Editing
Science Unit	
Science Unit	
Year 4, semester 1	
CCB203	Strategic Speech Communication
CWB202	Rhetoric: Public Communication Skills
Science Unit	
Science Unit	
Year 4, Semester 2	
CWB302	Advanced Corporate 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, Semester 1	
CWB301	Political Communication
CWB303	Communication Project
Science Unit	
Science Unit	

Semesters

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science

Bachelor of Communication (Professional Communication)/Bachelor of 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	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
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 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, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

Semesters

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

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 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 Semester 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
- 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
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	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
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 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

Bachelor of Communication (Professional Communication)/Bachelor of Science

	Geology
Year 4, 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 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
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 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 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

Semesters

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

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 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	
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

Bachelor of Design (Industrial Design)/Bachelor of Engineering (Honours)

Year	2020
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
OP	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) CI: +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 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 (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

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 (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)/Bachelor of Engineering (Honours)

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

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 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, Semester 1	
DNB210	ID Studio 3: Interaction and Experience
DNB211	ID Studio 4: Manufacturing Technology
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	
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 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	

Bachelor of Design (Industrial Design)/Bachelor of Engineering (Honours)

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
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	
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
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
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 - 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
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	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	

Bachelor of Design (Industrial Design)/Bachelor of Engineering (Honours)

EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 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
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 - 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	
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 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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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 - 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	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice

Bachelor of Design (Industrial Design)/Bachelor of Engineering (Honours)

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	
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 - 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
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 - 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 - 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 - 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	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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 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 Design (Interaction Design)/Bachelor of Engineering (Honours)

Year	2020
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
OP	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 Devakar Epari (Medical) CI: +61 7 3138 2000; SEF: +61 7 3138 8822 askqut@qut.edu.au (Interaction 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 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

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

Sample Structure

Semesters

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	
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	
DXB311	Advanced Interaction Design 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 Design 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	
DXB110	Principles of Interaction 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	
DXB311	Advanced Interaction Design 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	

Bachelor of Design (Interaction Design)/Bachelor of Engineering (Honours)

Engineering Unit
Engineering Unit

Semesters

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	
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
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

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	
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

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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - Semester 2	

Bachelor of Design (Interaction Design)/Bachelor of Engineering (Honours)

CAB403	Systems Programming
EGH404	Research in Engineering 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	
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 - 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	
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 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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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 - 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	
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

Bachelor of Design (Interaction Design)/Bachelor of Engineering (Honours)

EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical 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 - 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
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 - 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 - 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 - 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	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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 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 Design (Landscape Architecture)/Bachelor of Engineering (Honours)

Year	2020
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
OP	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 8822 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:

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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

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 (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 Architecture)/Bachelor of Engineering (Honours)

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

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	
DYB113	Create and Represent: 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 Studio
Engineering Unit	
Engineering Unit	
Year 3, Semester 2	
DLB204	Planting Design
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	
DLB302	Landscape Materiality and Constructs
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	
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	
Engineering 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
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	
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
Engineering Unit	
Engineering Unit	
Year 4, Semester 2	
DLB302	Landscape Materiality and 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	

This information is correct as at 30/11/2020. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=ID14&id=35566. CRICOS No.00213J

Bachelor of Design (Landscape Architecture)/Bachelor of Engineering (Honours)

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 - 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	
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
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
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 - 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
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	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	

Bachelor of Design (Landscape Architecture)/Bachelor of Engineering (Honours)

CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 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
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 - 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	
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 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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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 - 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	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	

Bachelor of Design (Landscape Architecture)/Bachelor of Engineering (Honours)

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	
EGB120	Foundations of Electrical 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 - 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
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 - 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 - 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 - 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	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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 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 Design (Interaction Design)/Bachelor of Information Technology

Year	2020
QUT code	ID15
CRICOS	096570E
Duration (full-time)	4 years
OP	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 English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

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

Design component

You will complete:

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

Information technology component

You will complete:

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

Study overseas

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 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 QUT course.

Sample Structure

Semesters

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB121	Introducing Design Fabrication
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	
DXB311	Advanced Interaction Design 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	
DXB102	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	
DXB311	Advanced Interaction Design 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

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

Bachelor of Design (Interaction Design)/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
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
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 3, Semester 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:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

Semesters

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
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
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 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
IAB402	Information Systems Consulting

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

Year	2020
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
OP	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 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 (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

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

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

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, Semester 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
Year 2, Semester 2	
DAB102	Architectural Design 2: Spaces
DYB102	Impact Lab 2: People
UXB113	Measurement for Construction
UXB114	Integrated Construction
Year 3, Semester 1	
DAB200	Modern Architecture
DAB201	Architectural Design 3: Dwelling
UXB210	Commercial Construction
UXB213	Advanced Measurement for Construction
Year 3, Semester 2	
DAB202	Architectural Design 4: Metro
DAB303	Integrated Architectural Technology
LWS012	Urban Development Law
UXB212	Design for Structures
Year 4, Semester 1	
DAB301	Architectural Design 5: Commercial
DYB201	Impact Lab 3: Planet
UXB211	Building Services
UXH310	High-rise Construction
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 2	
DAB302	Architectural Design 6: Communities
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
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: Materials
UXB111	Imagine Construction Management
UXB112	Introduction to Structures
Year 2, Semester 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, Semester 2	
DAB102	Architectural Design 2: Spaces
DYB114	Spatial Histories
UXB113	Measurement for Construction
UXB114	Integrated Construction
Year 3, Semester 1	
DAB201	Architectural Design 3: Dwelling
DYB112	Spatial Materiality
BSB113	Economics
UXB115	Introduction to Modern Construction Business
Year 3, Semester 2	
DAB202	Architectural Design 4: Metro
DYB102	Impact Lab 2: People
LWS012	Urban Development Law
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	
DAB302	Architectural Design 6: Communities
DAB303	Integrated Architectural Technology
UXB301	Professional Practice

UXH300	Research Methods for the Future Built Environment
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
UXB211	Building Services
UXH310	High-rise Construction
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	
UXH312	Construction Legislation
UXH315	Construction Estimating
UXH400-1	Project - Part A
UXH410	Strategic Construction Management
Year 6, Semester 1	
USB300	Property Development
UXH311	Contract Administration
UXH400-2	Project - Part B
UXH411	Programming and Scheduling

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

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 (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

of approved construction management work experience.
- eighteen units (216 credit points) from the construction management major.

Study overseas

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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

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, Semester 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 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	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: Materials
UXB111	Imagine Construction Management
UXB112	Introduction to Structures
Year 2, Semester 1	
DTB101	Interior Studio 1
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, Semester 2	
DTB102	Interior Studio 2
DYB114	Spatial Histories
UXB113	Measurement for Construction
UXB114	Integrated Construction
Year 3, Semester 1	
DYB102	Impact Lab 2: People
DYB112	Spatial Materiality
BSB113	Economics
UXB115	Introduction to Modern Construction Business
Year 3, Semester 2	
DTB205	Design Psychology
DYB201	Impact Lab 3: Planet
LWS012	Urban Development Law
UXB212	Design for Structures
Year 4, Semester 1	
DTB200	Interior Access and Assemblies
DTB204	Interior Studio 3
UXB210	Commercial Construction
UXB213	Advanced Measurement for Construction
Year 4, Semester 2	
DTB305	Interior Studio: Integration
DTB306	Interior Systems
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment
Year 5, 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 5, Semester 2	
UXH312	Construction Legislation
UXH315	Construction Estimating
UXH400	Project - Part A

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

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

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	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 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 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 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

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

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
UXB131	Planning and Design Practice
UXB132	Urban Analysis
Year 1, Semester 2	
DYB113	Create and Represent: 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
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	
USB300	Property Development
UXH400-1	Project - Part A
UXH430	Planning Theory and Ethics
UXH431	Urban Planning Practice
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
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
UXB130	History of the Built Environment
Year 3, Semester 2	
DLB204	Planting Design
DYB201	Impact Lab 3: Planet
UXB230	Site Planning
UXB234	Transport Planning
Year 4, Semester 1	
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
UXB231	Stakeholder Engagement
UXB233	Planning Law
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	
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
UXH400-1	Project - Part A
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

Bachelor of Design (Architecture)/Bachelor of Engineering (Honours)

Year	2020
QUT code	ID19
CRICOS	096574A
Duration (full-time)	5.5 years
OP	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:

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- 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.

Bachelor of Design (Architecture)/Bachelor of Engineering (Honours)

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).

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- 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

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	
DYB113	Create and Represent: 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	
DAB101	Architectural Design 1: Explorations
DYB112	Spatial Materiality
Engineering Unit	
Engineering Unit	
Year 2, Semester 2	
DAB102	Architectural Design 2: Spaces
DAB303	Integrated Architectural 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	
DAB200	Modern Architecture
DAB301	Architectural Design 5: Commercial
Engineering Unit	
Engineering Unit	
Year 5, Semester 2	
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
DYB113	Create and Represent: 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	
DAB101	Architectural Design 1: Explorations
DAB200	Modern Architecture
Engineering Unit	
Engineering Unit	
Year 3, Semester 2	
DAB102	Architectural Design 2: Spaces
DYB201	Impact Lab 3: Planet
Engineering Unit	
Engineering Unit	
Year 4, Semester 1	
DAB201	Architectural Design 3: Dwelling
DAB211	Environmental Principles of Architectural Design
Engineering Unit	

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Engineering Unit	
Year 4, Semester 2	
DAB202	Architectural Design 4: Metro
DAB212	Small Scale Building Construction
Engineering Unit	
Engineering Unit	
Year 5, Semester 1	
DAB301	Architectural Design 5: Commercial
DAB311	Systems and Structures
Engineering Unit	
Engineering Unit	
Year 5, Semester 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, Semester 1	
Engineering Unit	
Engineering Unit	
Engineering Unit	
Engineering Unit	
Year 6, Semester 2	
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 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	
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
Year 5 - Semester 1	
EGB362	Operations Management and Process Economics
EGH404	Research in Engineering Practice
Year 5 - Semester 2	
EGH400-1	Research Project 1
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control
Year 6 - Semester 1	
EGH400-2	Research Project 2
EGH463	Plant and Process Design
Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large

Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering 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	
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - Semester 1	
EGB262	Process Principles
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB364	Process Modelling
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB261	Unit Operations
EGB361	Minerals and Minerals Processing
Year 5 - Semester 2	
Other Faculty Unit	
Other Faculty Unit	
Other Faculty Unit	
Other Faculty Unit	
Year 6 - Semester 1	
EGB362	Operations Management and Process Economics
EGH463	Plant and Process Design
EGH408	Research Project
Year 6 - 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

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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	
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
EGH404	Research in Engineering Practice
Year 5 - Semester 2	
EGH400-1	Research Project 1
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice
Year 6 - Semester 1	
EGH473	Advanced Geotechnical Engineering
EGH400-2	Research Project 2
Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 2 - Semester 2	
EGB123	Civil Engineering Systems
MZB126	Engineering Computation
Year 3 - Semester 1	
EGB121	Engineering Mechanics
Foundation Unit Option	
Year 3 - Semester 2	
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4 - Semester 1	
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 4 - Semester 2	
EGB376	Steel Design
EGH472	Advanced Highway and Pavement Engineering
Year 5 - Semester 1	
EGB275	Structural Mechanics
EGB375	Design of Concrete Structures
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - Semester 1	
EGB371	Engineering Hydraulics
EGH404	Research in Engineering Practice
EGH400-1	Research Project 1
EGH473	Advanced Geotechnical Engineering
Year 6 - Semester 2	
EGH400-2	Research Project 2
EGH471	Advanced Water Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Semesters

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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - Semester 2	
CAB403	Systems Programming
EGH404	Research in Engineering Practice

Bachelor of Design (Architecture)/Bachelor of Engineering (Honours)

Year 5 - Semester 1	
CAB302	Software Development
Advanced Computer & Software Systems Option Unit	
Year 5 - Semester 2	
EGH400 -1	Research Project 1
EGH455	Advanced Systems Design
CAB432	Cloud Computing
Advanced Computer & Software Systems Option Unit	
Year 6 - Semester 1	
EGH400 -2	Research Project 2
EGH456	Embedded Systems
Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
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	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 4 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 4 - Semester 2	
CAB403	Systems Programming
Intermediate Electrical Option Unit	
Year 5 - Semester 1	
EGH404	Research in Engineering Practice
CAB301	Algorithms and Complexity
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - Semester 1	
EGH400 -1	Research Project 1
EGH456	Embedded Systems
CAB302	Software Development
Advanced Computer & Software Systems Option Unit	
Year 6 - Semester 2	
EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
CAB432	Cloud Computing
Advanced Computer & Software Systems Option Unit	

Semesters

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	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering 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	

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Intermediate Electrical Option Unit (1)	
Intermediate Electrical Option Unit (2)	
Year 5 - Semester 1	
EGB340	Design and Practice
Intermediate Electrical Option Unit (3)	
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - 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 Electrical Option Unit (3)	
Advanced Electrical Option Unit (4)	
Advanced Electrical Option Unit (5)	

Semesters

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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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 - Semester 1	
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Year 5 - Semester 2	
EGH400-1	Research Project 1
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced Electrical Option Unit	
Year 6 - Semester 1	
EGH400-2	Research Project 2
Advanced Electrical Option Unit	
Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
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
EGB243	Aircraft Systems and Flight
Year 4 - Semester 2	
EGB346	Unmanned Aircraft Systems
Intermediate Electrical Option Unit	
Year 5 - Semester 1	
EGB349	Systems Engineering and Design Project
EGB345	Control and Dynamic Systems
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced Electrical Option Unit	
Year 6 - Semester 2	
EGH400-2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced Electrical Option Unit	

Semesters

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

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	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	
EGB120	Foundations of Electrical 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 - Semester 2	
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB316	Design of Machine Elements
EGH414	Stress Analysis
Year 5 - Semester 2	
EGH400-1	Research Project 1
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
Year 6 - Semester 1	
EGH400-2	Research Project 2
EGH421	Vibration and Control
Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
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	
EGB211	Dynamics
EGB314	Strength of Materials
Year 4 - Semester 1	
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGB322	Thermodynamics
Year 5 - Semester 1	
EGB321	Dynamics of Machines
EGH404	Research in Engineering Practice
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - Semester 1	
EGB316	Design of Machine Elements
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 6 - Semester 2	
EGH400-2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

Semesters

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	
EGB120	Foundations of Electrical 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 - Semester 2	
EGB320	Mechatronics Design 2
Intermediate Electrical Option Unit	
Year 5 - 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
Advanced Electrical Option Unit	
Year 6 - Semester 1	
EGH400-2	Research Project 2
EGH419	Mechatronics Design 3
Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - Semester 1	
EGB111	Foundation of Engineering

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	Design
MZB125	Introductory Engineering 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	
EGB211	Dynamics
EGB220	Mechatronics Design 1
Year 4 - Semester 2	
EGB320	Mechatronics Design 2
EGB345	Control and Dynamic Systems
Year 5 - Semester 1	
EGB321	Dynamics of Machines
Intermediate Electrical Option Unit	
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH446	Autonomous Systems
Year 6 - Semester 2	
EGH400-2	Research Project 2
EGH445	Modern Control
EGH413	Advanced Dynamics
Advanced Electrical Option Unit	

Semesters

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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
LSB131	Anatomy
EGB314	Strength of Materials
Year 3 - Semester 2	
LSB231	Physiology
EGB210	Fundamentals of Mechanical Design
Year 4 - Semester 1	
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB211	Dynamics
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB319	BioDesign
EGH414	Stress Analysis
Year 5 - Semester 2	
EGH400-1	Research Project 1
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH418	Biomechanics
Year 6 - Semester 1	
EGH400-2	Research Project 2
EGH438	Biomaterials

Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
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	
EGB211	Dynamics
LSB231	Physiology
Year 4 - Semester 1	
EGB323	Fluid Mechanics
LSB131	Anatomy
Year 4 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGB314	Strength of Materials
Year 5 - Semester 1	
EGB319	BioDesign
EGH414	Stress Analysis
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - Semester 1	
EGH400-1	Research Project 1
EGB214	Materials and Manufacturing
EGH404	Research in Engineering Practice
EGH438	Biomaterials
Year 6 - Semester 2	
EGH400-2	Research Project 2
EGH418	Biomechanics
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers

Bachelor of Design (Landscape Architecture)/Bachelor of Science

Year	2020
QUT code	ID20
CRICOS	096575M
Duration (full-time)	4 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: $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

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 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

Bachelor of Design (Landscape Architecture)/Bachelor of 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

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
Science Unit	
Science Unit	
Year 1, Semester 2	
DYB113	Create and Represent: 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
DLB202	Landscape, People and Place 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
DYB113	Create and Represent: 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	
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
Science Unit	
Science Unit	
Year 4, Semester 2	
DLB302	Landscape Materiality and 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

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	
BVB101	Foundations of Biology

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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 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
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 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, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

Semesters

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

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 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 Semester 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
- 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
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	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
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 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	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	

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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
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 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 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

Semesters

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

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 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	
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

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Year	2020
QUT code	ID22
CRICOS	099057J
Duration (full-time)	4.5 years
Duration (part-time domestic)	9 years
OP	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	
EUB101	Supporting Innovative Pedagogy with Digital Technologies

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EUB104	Stepping In
IT Core Unit	
IT Core Unit	
Year 1, Semester 2	
EUB129	Introduction to Curriculum, Pedagogy and Assessment: Double Degree
EUB129 requires a blue card	
EUB112	Child and Adolescent Learning and Development
IT Core Unit	
IT Core Unit	
Year 2, Semester 1	
EUB242-1	Professional Experience: Introduction to Professional Practice
Designated Unit EUB242: Contains 15 days professional experience and requires a blue card	
EUB103	Culture Studies: Indigenous 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	
EUB343-1	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	
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	
EUB444-1	Professional Experience: Transition to Professional Practice
Designated Unit EUB444: Contains 20 days professional experience and requires a blue card	
EUB102	Teaching in New and 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	
EUB445	Professional Experience: 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.	
EUB406	Stepping Out/ Quality 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	Supporting Innovative Pedagogy with Digital Technologies
EUB102	Teaching in New and Emerging Educational Contexts
EUB103	Culture Studies: Indigenous Education
EUB104	Stepping In
Year 2, Semester 2	
EUB129	Introduction to Curriculum, 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	
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	
EUB343-1	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	
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	
EUB444-1	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	
EUB445	Professional Experience: Transition to Professional Practice
EUB445 must be taken in your final semester of study.	

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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 card.	
EUB406 must be taken in your final semester of study.	
IT Major Unit	
IT Major Unit (capstone)	

Semesters

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	
CAB201	Programming Principles
CAB203	Discrete Structures
Year 2, Semester 2	
CAB202	Microprocessors and Digital 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:	
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	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning

Semesters

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	
IAB201	Modelling Techniques for 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
IFB295	IT Project Management
Year 4, Semester 1	
IAB204	Business Requirements Analysis
IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Core Unit Option	
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
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	

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All units this semester will be Education units	
Year 2, Semester 2	
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)
Year 5, Semester 2	
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
IAB402	Information Systems Consulting

Semesters

Code	Title
Semester 1 (February) Commencement:	
Year 1, Semester 1	
EUB101	Supporting Innovative Pedagogy with Digital Technologies
EUB104	Stepping In
IT Core Unit	
IT Core Unit	
Year 1, Semester 2	
EUB129	Introduction to Curriculum, Pedagogy and Assessment: Double Degree
EUB129 requires a blue card	
EUB112	Child and Adolescent Learning and Development
IT Core Unit	
IT Core Unit	
Year 2, Semester 1	
EUB242-1	Professional Experience: Introduction to Professional Practice
Designated Unit EUB242: Contains 15 days professional experience and requires a blue card	
EUB103	Culture Studies: Indigenous 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	
EUB343-1	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	
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-1
Designated Unit EUB444: Contains 20 days professional experience and requires a blue card	
EUB102	Teaching in New and 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	
EUB445	Professional Experience: 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.	
EUB406	Stepping Out/ Quality 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	Supporting Innovative Pedagogy with Digital Technologies
EUB102	Teaching in New and Emerging Educational Contexts
EUB103	Culture Studies: Indigenous Education
EUB104	Stepping In
Year 2, Semester 2	
EUB129	Introduction to Curriculum, Pedagogy and Assessment: Double Degree
EUB129 requires a blue card	
EUB112	Child and Adolescent Learning and Development
IT Major Unit	

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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	
EUB343-1	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	
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	
EUB444-1	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	
EUB445	Professional Experience: 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 card.	
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	
Code	**Title**
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	
Code	**Title**
Year 2, Semester 2: Discipline Unit 1	
EUB251	Environment and Society
Year 2, Semester 2: Curriculum Unit 1	
EUB223	Curriculum, Pedagogy and Assessment 1: Geography
Year 3, Semester 1: Discipline Unit 2	
EUB250	Australian Geographical Studies
Year 3, Semester 2: Discipline Unit 3	
EUB351	Space, Population and Territory
Year 3, Semester 2: Curriculum Unit 2	
EUB323	Curriculum, Pedagogy and Assessment 2: Geography
Year 5, Semester 1: Discipline Unit 4	
EUB350	Asia in Focus

History Second Teaching Area Discipline and Curriculum Units List	
Code	**Title**
Year 2, Semester 2: Discipline Unit 1	
EUB151	Nations and Nationalism in Modern Europe
Year 2, Semester 2: Curriculum Unit 1	
EUB222	Curriculum, Pedagogy and Assessment 1: History
Year 3, Semester 1: Discipline Unit 2	
EUB352	Medieval Europe and the World
Year 3, Semester 2: Discipline Unit 3	
EUB253	The Classical World
Year 3, Semester 2: Curriculum Unit 2	
EUB322	Curriculum, Pedagogy and Assessment 2: History
Year 5, Semester 1: Discipline Unit 4	
EUB451	Australia, Britain and America

Mathematics Second Teaching Area Discipline and Curriculum Units List	
Code	**Title**
Year 2, Semester 2: Discipline Unit 1	
EUB153	Thinking and Communicating Mathematically
Year 2, Semester 2: Curriculum Unit 1	
EUB221	Curriculum, Pedagogy and Assessment 1: Mathematics
Year 3, Semester 1: Discipline Unit 2	
EUB256	Exploring, Representing and Interpreting Mathematical Change
Year 3, Semester 2: Discipline Unit 3	
EUB257	Reasoning with Quantity, 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

In this list

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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
Year 3, Semester 2: Curriculum Unit 1	
EUB220	Curriculum, Pedagogy and Assessment 1: English
Year 4, Semester 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

Geography Second Teaching Area Discipline and Curriculum Units List	
Code	Title
Year 3, Semester 2: Discipline Unit 1	
EUB251	Environment and Society
Year 3, Semester 2: Curriculum Unit 1	
EUB223	Curriculum, Pedagogy and Assessment 1: Geography
Year 4, Semester 1: Discipline Unit 2	
EUB250	Australian Geographical Studies
Year 4, Semester 2: Discipline Unit 3	
EUB351	Space, Population and Territory
Year 4, Semester 2: Curriculum Unit 2	
EUB323	Curriculum, Pedagogy and Assessment 2: Geography
Year 5, Semester 1: Discipline Unit 4	
EUB350	Asia in Focus

History Second Teaching Area Discipline and Curriculum Units List	
Code	Title
Year 3, Semester 2: Discipline Unit 1	
EUB151	Nations and Nationalism in Modern Europe
Year 3, Semester 2: Curriculum Unit 1	
EUB222	Curriculum, Pedagogy and Assessment 1: History
Year 4, Semester 1: Discipline Unit 2	
EUB352	Medieval Europe and the World
Year 4, Semester 2: Discipline Unit 3	
EUB253	The Classical World
Year 4, Semester 2: Curriculum Unit 2	
EUB322	Curriculum, Pedagogy and Assessment 2: History
Year 5, Semester 1: Discipline Unit 4	
EUB451	Australia, Britain and America

Mathematics Second Teaching Area Discipline and Curriculum Units List	
Code	Title
Year 3, Semester 2: Discipline Unit 1	
EUB153	Thinking and Communicating Mathematically
Year 3, Semester 2: Curriculum Unit 1	
EUB221	Curriculum, Pedagogy and Assessment 1: Mathematics
Year 4, Semester 1: Discipline Unit 2	
EUB256	Exploring, Representing and Interpreting Mathematical Change
Year 4, Semester 2: Discipline Unit 3	
EUB257	Reasoning with Quantity, Space and Shape
Year 4, Semester 2: Curriculum Unit 2	
EUB321	Curriculum, Pedagogy and Assessment 2: Mathematics
Year 5, Semester 1: Discipline Unit 4	
EUB355	Uncertain Situations

Bachelor of Biomedical Science/Bachelor of Mathematics

Year	2020
QUT code	ID28
CRICOS	0100982
Duration (full-time)	4 years
OP	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 areas

- 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

Code	Title
Year 1, Semester 1	
LQB183	Human Systematic Anatomy
LQB184	Biomedical Skills 1
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1, Semester 2	
LQB286	Biomedical Skills 2
LSB258	Principles of Human Physiology
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2, Semester 1	
LQB180	Foundations of Biochemistry
LQB186	Human Cell & Molecular Biology
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2, Semester 2	
LQB292	Principles of Infection and Immunity
LQB280	Genes, Genomes and Genetics
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3, Semester 1	
Biomedical Sciences Major unit AND Biomedical Sciences Elective	

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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 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
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 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 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
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 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

- 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

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	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

- Core 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	
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 Notes	
Students undertake 72 credit points - 36 credit points core units and 36 credit points from option units	
Core Units	
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

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
LQB608	Extreme Physiology
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

Semesters

- Core 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	
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 Notes	
Students complete 48 credit points - 24 credit points core units and 24 credit points option units	
Core units	
LQB382	Developmental Anatomy and Tissue Adaptation
LQB482	Anatomical Imaging
Option units	
Choose 24 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
Course Notes	
Students complete 48 credit points - 24 credit points core units and 24 credit points option units	
Core units	
LQB385	Molecular Biology and Bioinformatics
LQB485	Cell Biology
Option units	
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

Code	Title
Course Notes	
Students complete 48 credit points - 36 credit points core units and 12 credit points option units	
Core Units	
LQB504-1	Clinical Physiology Professional Internship
LQB504-2	Clinical Physiology Professional Internship
LQB504-3	Clinical Physiology Professional Internship
Option Units	
Choose one unit from:	
LQB362	Principles and Practice of Infectious Diseases
LQB381	Biochemistry
LQB382	Developmental Anatomy and Tissue Adaptation
LQB385	Molecular Biology and

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	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 units	
LQB381	Biochemistry
LQB481	Biochemical Pathways and Metabolism
Option units	
Choose 24 credit points from:	
LQB581	Biomolecular Control Systems
LQB582	Biomedical Research Technologies
LQB681	Biomolecular Research Skills
LQB682	Biomolecular Design
LQB503	Biomedical Work Integrated Learning B

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 units	
LQB388	Medical Physiology 1
LQB488	Medical Physiology 2
Option units	
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

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 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
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 Anatomical Sciences	
LQB382	Developmental Anatomy and Tissue Adaptation
LQB482	Anatomical Imaging
Cell and Molecular Biology	
LQB385	Molecular Biology and Bioinformatics
LQB485	Cell Biology
Human Biochemistry	
LQB381	Biochemistry
LQB481	Biochemical Pathways and Metabolism
Human Physiology	
LQB388	Medical Physiology 1
LQB488	Medical Physiology 2
Infectious Diseases	
LQB362	Principles and Practice of Infectious Diseases
LQB494	Pathogen Biology and Pathogenesis
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

Bachelor of Business/Bachelor of Information Technology

Year	2020
QUT code	IX22
CRICOS	059595C
Duration (full-time)	4 years
OP	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.

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 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.

Bachelor of Business/Bachelor of Information Technology

Information Technology component:

- Six (6) Core IT units (72 credit points - 48cp + 24cp core options)
- Ten (10) major core units (120 credit points)

International Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Information Technology program and 192 credit points from the Bachelor of Business program.

Business component:

- Eight Business School core units (96 credit points) *
- Eight major Core units (96 credit points)

*Accounting major students complete six business core units and 10 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

- Year 1, Semester 1
- Year 1, Semester 2
- 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 Unit	
Business School Unit	
Year 1, Semester 2	
IT Core Unit	
IT Core Unit	
Business School Unit	
Business School Unit	
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Business School Unit	
Business School Unit	
Year 2, Semester 2	
IT Major Unit	
IT Major Unit	
Business School Unit	
Business School Unit	
Year 3, Semester 1	
IT Major Unit	
IT Major Unit	
Business School Unit	
Business School Unit	
Year 3, Semester 2	
IT Major Unit	
IT Major Unit	
Business School Unit	
Business School Unit	
Year 4, Semester 1	
IT Major Unit	
IT Major Unit	
Business School Unit	
Business School Unit	
Year 4, Semester 2	
IT Major Unit	
IT Major Unit	
Business School Unit	
Business School Unit	

Semesters

- Computer Science
- Semester 1 and Semester 2 Commencement - Computer Science
- Year 1, Semester 1
- Year 1, Semester 2
- 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	Title
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	
BSB123	Data Analysis
BSB126	Marketing
Year 2, Semester 1	
BSB111	Business Law and Ethics
BSB113	Economics
Year 2, Semester 2	
AYB200	Financial Accounting
AYB225	Management Accounting
Year 3, Semester 1	
EFB210	Finance 1
AYB219	Taxation Law
Year 3, Semester 2	
AYB230	Corporations Law
AYB340	Company Accounting
Year 4, Semester 1	
AYB321	Strategic Management Accounting
AYB221	Accounting Systems and Analytics
Year 4, Semester 2	
AYB301	Audit and Assurance
AYB311	Financial Accounting Issues
Information Systems	
Semester 1 and Semester 2 Commencement - Information Systems	
Year 1, Semester 1	
BSB110	Accounting
BSB115	Management
Year 1, Semester 2	
BSB123	Data Analysis
BSB126	Marketing
Year 2, Semester 1	
BSB111	Business Law and Ethics
BSB113	Economics
Information Technology unit	
Information Technology unit	
Year 2, Semester 2	
AYB200	Financial Accounting
AYB225	Management Accounting
Year 3, Semester 1	
EFB210	Finance 1
AYB219	Taxation Law
Year 3, Semester 2	
AYB230	Corporations Law
AYB340	Company Accounting
Year 4, Semester 1	
AYB311	Financial Accounting Issues
AYB321	Strategic Management Accounting
Year 4, Semester 2	
AYB301	Audit and Assurance
AYB339	Accountancy Capstone

Bachelor of Business/Bachelor of Information Technology

Semesters

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
BSB119	Global Business
Year 2, Semester 2	
AMB200	Consumer Behaviour
AMB220	Advertising Theory and 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
BSB399	Real World Ready - Business 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
Year 3, Semester 1	
AMB220	Advertising Theory and 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
BSB399	Real World Ready - Business Capstone

Semesters

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
EFB331	Intermediate Microeconomics
Year 3, Semester 2	
Economics Optional Unit	
Economics Optional Unit	
Year 4, Semester 1	
Economics Optional Unit	
Economics Optional Unit	
Year 4, Semester 2	
BSB399	Real World Ready - Business Capstone
EFB338	Contemporary Application of Economic Theory
Economics Options List	
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	
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	
EFB338	Contemporary Application of Economic Theory
Economics Optional Unit	
Year 4, Semester 2	
BSB399	Real World Ready - Business Capstone
Economics Optional Unit	
Year 5, Semester 1	
Economics Optional Unit	
Economics Optional Unit	
Economics Options List	
Quantitative Economics Units	

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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

Code	Title
Semester 1 (February) commencement	
Year 1, Semester 1	
BSB113	Economics
BSB115	Management
Year 1, Semester 2	
EFB223	Economics 2
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	
BSB399	Real World Ready - Business Capstone
EFB335	Investments
Year 4, Semester 2	
EFB344	Risk Management and Derivatives
EFB360	Finance Capstone
Semester 2 (July) commencement	
Year 1, Semester 2	
BSB113	Economics
BSB115	Management
Year 2, Semester 1	
EFB223	Economics 2
BSB126	Marketing
Year 2, Semester 2	
BSB110	Accounting
BSB111	Business Law and Ethics
Year 3, Semester 1	
BSB123	Data Analysis
BSB119	Global Business
Year 3, Semester 2	
EFB201	Financial Markets
EFB210	Finance 1
Year 4, Semester 1	
EFB312	International Finance
EFB343	Corporate Finance
Year 4, Semester 2	
BSB399	Real World Ready - Business Capstone
EFB335	Investments
Year 5, Semester 1	
EFB344	Risk Management and Derivatives
EFB360	Finance Capstone

Semesters

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, Semester 2	
BSB126	Marketing
BSB119	Global Business
Year 3, Semester 1	
AYB250	Personal Financial Planning
BSB115	Management
Year 3, Semester 2	
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, Semester 1	
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4, Semester 2	
BSB399	Real World Ready - Business Capstone
AYB346	Financial Plan Construction (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	
BSB123	Data Analysis
AYB219	Taxation Law
Year 2, Semester 2	
BSB126	Marketing
AYB250	Personal Financial Planning
Year 3, Semester 1	
AYB240	Superannuation and Retirement Planning
BSB115	Management
Year 3, Semester 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

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Semesters

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	
MGB200	Managing People
MGB214	Introducing People Management and Analytics
Year 3, Semester 1	
MGB229	Obligations and Options for Employing People
MGB230	Recruiting and Selecting People
Year 3, Semester 2	
MGB331	Developing People
MGB339	Managing Performance and Rewards
Year 4, Semester 1	
MGB372	Creating Value through People
BSB119	Global Business
Year 4, Semester 2	
BSB399	Real World Ready - Business Capstone
Select one of the following:	
MGB306	Independent Study
MGB310	Managing Sustainable Change
MGB338	Workplace Learning

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
MGB200	Managing People
Year 3, Semester 1	
MGB214	Introducing People Management and Analytics
BSB123	Data Analysis
Year 3, Semester 2	
MGB230	Recruiting and Selecting People
MGB229	Obligations and Options for Employing People
Year 4, Semester 1	
MGB331	Developing People
MGB339	Managing Performance and Rewards
Year 4, Semester 2	
BSB399	Real World Ready - Business Capstone
BSB110	Accounting
Year 5, Semester 1	
MGB372	Creating Value through People
Choose one of the following:	
MGB306	Independent Study
MGB310	Managing Sustainable Change
MGB338	Workplace Learning

Semesters

Code	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	
MGB225	Intercultural Communication and Negotiation Skills
AMB210	Importing and Exporting
Year 3, Semester 2	
AMB303	International Logistics
EFB240	Finance for International Business
Year 4, Semester 1	
BSB399	Real World Ready - Business Capstone
AMB336	International Marketing
Year 4, Semester 2	
MGB340	International Business in the Asia-Pacific
AMB369	International Business Strategy
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
MGB225	Intercultural Communication and Negotiation Skills
Year 3, Semester 2	
AMB303	International Logistics
EFB240	Finance for International Business
Year 4, Semester 1	
AYB227	International Accounting
MGB340	International Business in the Asia-Pacific
Year 4, Semester 2	
AMB336	International Marketing

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AMB369	International Business Strategy
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 1 (February) commencement	
Year 1, Semester 1	
BSB113	Economics
BSB115	Management
Year 1, Semester 2	
BSB119	Global Business
BSB123	Data Analysis
Year 2, Semester 1	
BSB110	Accounting
BSB111	Business Law and Ethics
Year 2, Semester 2	
MGB200	Managing People
MGB225	Intercultural Communication and Negotiation Skills
Year 3, Semester 1	
MGB226	Innovation, Knowledge and Creativity
MGB227	Entrepreneurship
MGB210	Managing Operations
Year 3, Semester 2	
BSB126	Marketing
MGB335	Managing Projects
MGB324	Managing Business Growth
Year 4, Semester 1	
MGB341	Managing Risk
BSB399	Real World Ready - Business Capstone
Year 4, Semester 2	
MGB309	Managing Strategically
MGB310	Managing Sustainable Change
MGB338	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	
MGB200	Managing People
MGB225	Intercultural Communication and Negotiation Skills
Year 3, Semester 2	
BSB110	Accounting
MGB226	Innovation, Knowledge and Creativity
Year 4, Semester 1	
Note: students completing a management stream must complete MGB210. Students completing an entrepreneurship stream must complete MGB227.	
MGB210	Managing Operations
OR	
MGB227	Entrepreneurship
MGB341	Managing Risk
Year 4, Semester 2	
Note: students completing a management stream must complete MGB335. Students completing an entrepreneurship stream must complete MGB324.	
MGB335	Managing Projects
OR	
MGB324	Managing Business Growth
MGB309	Managing Strategically
Year 5, Semester 1	
BSB399	Real World Ready - Business Capstone
MGB310	Managing Sustainable Change
OR	
MGB338	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, Semester 1	
BSB126	Marketing
BSB113	Economics
Year 1, Semester 2	
BSB111	Business Law and Ethics
BSB115	Management
Year 2, Semester 1	
BSB119	Global Business
AMB201	Marketing and Audience Analytics
Year 2, Semester 2	
BSB110	Accounting
BSB123	Data Analysis
Year 3, Semester 1	
AMB202	Integrated Marketing Communication
AMB240	Marketing Planning and Management
Year 3, Semester 2	
AMB330	Digital Portfolio
AMB340	Services Marketing
Year 4, Semester 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, Semester 2	
BSB113	Economics
BSB126	Marketing
Year 2, Semester 1	

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BSB111	Business Law and Ethics
BSB115	Management
Year 2, Semester 2	
BSB119	Global Business
BSB123	Data Analysis
Year 3, Semester 1	
BSB110	Accounting
AMB201	Marketing and Audience Analytics
Year 3, Semester 2	
AMB202	Integrated Marketing Communication
AMB240	Marketing Planning and Management
Year 4, Semester 1	
AMB330	Digital Portfolio
AMB340	Services Marketing
Year 4, Semester 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
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	
AMB201	Marketing and Audience Analytics
BSB113	Economics
Year 2, Semester 2	
AMB263	Introduction to Public Relations
AMB264	Public Relations Techniques
Year 3, Semester 1	
AMB372	Public Relations Planning
AMB373	Issues, Stakeholders and Reputation
Year 3, Semester 2	
BSB111	Business Law and Ethics
BSB123	Data Analysis
Year 4, Semester 1	
AMB374	Global Public Relations Cases
BSB399	Real World Ready - Business Capstone
Year 4, Semester 2	
AMB379	Public Relations Campaigns
AMB375	Internal Communication and Change
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
AMB201	Marketing and Audience Analytics
Year 3, Semester 1	
AMB263	Introduction to Public Relations
AMB264	Public Relations Techniques
Year 3, Semester 2	
AMB372	Public Relations Planning
BSB123	Data Analysis
Year 4, Semester 1	
AMB373	Issues, Stakeholders and Reputation
AMB374	Global Public Relations Cases
Year 4, Semester 2	
AMB375	Internal Communication and Change
AMB379	Public Relations Campaigns
Year 5, Semester 1	
BSB399	Real World Ready - Business Capstone
BSB111	Business Law and Ethics

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
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 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	
Year 3, Semester 1	

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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:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

Semesters

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
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
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 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
IAB402	Information Systems Consulting

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Year	2020
QUT code	IX23
CRICOS	078352J
Duration (full-time)	4 years
OP	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 English Language Testing System)	
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.

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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	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
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	

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) 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	
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, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in 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	
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, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and 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 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
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, Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry

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Year 3, Semester 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, Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
Semester 2 (July) commencements	
Year 1, Semester 2	
MXB100	Introductory Calculus and Algebra
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Science 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, Semester 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, Semester 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) 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
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	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in 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	
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	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics

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) 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
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

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	Environmental Science
Semester 2 (July) commencements	
Year 1, Semester 2	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in 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
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 Environmental Science

Semesters

Code	Title
Semester 1 (February) commencements	
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, 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
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, Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Semester 2 (July) commencements	
Year 1, Semester 2	
MXB100	Introductory Calculus and Algebra
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in 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	
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, Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

Semesters

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	
MGB227	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	
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4 Semester 1	
EFB345 - Managing Investments & Client Relationships	
EFB227	Insurance, Risk Management and Estate Planning
Year 4 Semester 2	
BSB399	Real World Ready - Business Capstone
AYB346	Financial Plan Construction (Capstone)
Semester 2 (July) commencement	
Year 1 Semester 2 (July)	
BSB111	Business Law and Ethics
BSB113	Economics
Year 2 Semester 1 (February)	
BSB110	Accounting

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EFB210	Finance 1
Year 2 Semester 2 (July)	
MGB227	Entrepreneurship
AYB219	Taxation Law
Year 3 Semester 1 (February)	
BSB126	Marketing
AYB250	Personal Financial Planning
Year 3 Semester 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 Semester 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
Year 1 Semester 2	
BSB126	Marketing
BSB119	Global Business
Year 2 Semester 1	
BSB110	Accounting
BSB111	Business Law and Ethics
Year 2 Semester 2	
MGB214	Introducing People Management and Analytics
MGB200	Managing People
Year 3 Semester 1	
MGB230	Recruiting and Selecting People
MGB229	Obligations and Options for Employing People
In 2019, unit MGB201 Contemporary Employment Relations is replaced by MGB229 and unit MGB320 Recruitment and Selection is replaced by MGB230.	
Year 3 Semester 2	
MGB227	Entrepreneurship
MGB331	Developing People
Year 4 Semester 1	
BSB399	Real World Ready - Business Capstone
MGB339	Managing Performance and Rewards
Year 4 Semester 2	
MGB372	Creating Value through People
Select one of the following:	
MGB306	Independent Study
MGB310	Managing Sustainable Change
MGB338	Workplace Learning
In 2019, unit MGB370 Personal and Professional Development is replaced by MGB372.	
Semester 2 (July) commencement	
Year 1 Semester 2 (July)	
BSB113	Economics
BSB115	Management
Year 2 Semester 1 (February)	
BSB111	Business Law and Ethics
BSB126	Marketing
Year 2 Semester 2 (July)	
BSB110	Accounting
BSB119	Global Business
Year 3 Semester 1 (February)	
MGB214	Introducing People Management and Analytics
MGB20	Managing People
0	
In 2019, unit MGB207 Human Resource Issues and Strategy is replaced by MGB214.	
Year 3 Semester 2 (July)	
MGB229	Obligations and Options for Employing People
MGB230	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)	
MGB331	Developing People
MGB339	Managing Performance and Rewards
Year 4 Semester 2 (July)	
MGB227	Entrepreneurship
MGB372	Creating Value through People
Year 5 Semester 1 (February)	
BSB399	Real World Ready - Business Capstone
select one of the following:	
MGB306	Independent Study
MGB310	Managing Sustainable Change
MGB338	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	
BSB119	Global Business
BSB126	Marketing
Year 1 Semester 2	
BSB110	Accounting
BSB115	Management
Year 2 Semester 1	
BSB113	Economics
MGB225	Intercultural Communication and Negotiation Skills
Year 2 Semester 2	
MGB227	Entrepreneurship
BSB111	Business Law and Ethics

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Year 3 Semester 1	
AMB210	Importing and Exporting
AYB227	International Accounting
Year 3 Semester 2	
MGB340	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

This is a recommended course progression for IX23 students completing the Bachelor of Business (Management) 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

Code	Title
Semester 1 (February) commencement	
Year 1 Semester 1	
BSB115	Management
BSB126	Marketing
Year 1 Semester 2	
BSB110	Accounting
BSB113	Economics
Year 2 Semester 1	
BSB119	Global Business
BSB111	Business Law and Ethics
Year 2 Semester 2	
MGB200	Managing People
MGB227	Entrepreneurship
Year 3 Semester 1	
MGB225	Intercultural Communication and Negotiation Skills
MGB226	Innovation, Knowledge and Creativity
Year 3 Semester 2	
MGB341	Managing Risk
If you are completing the Management stream:	
MGB210	Managing Operations
If you are completing the Entrepreneurship stream:	
MGB201	Contemporary Employment Relations
MGB210	Managing Operations
Year 4 Semester 1	
BSB399	Real World Ready - Business Capstone
If you are completing the Management stream:	
MGB335	Managing Projects
If you are completing the Entrepreneurship stream:	
MGB324	Managing Business Growth
Year 4 Semester 2	
MGB309	Managing Strategically
Choose one of:	
MGB310	Managing Sustainable Change
MGB338	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)	
MGB200	Managing People
MGB225	Intercultural Communication and Negotiation Skills
Year 3 Semester 2 (July)	
MGB226	Innovation, Knowledge and Creativity
MGB227	Entrepreneurship
Year 4 Semester 1 (February)	
MGB341	Managing Risk
If you are completing the Management stream:	
MGB210	Managing Operations
If you are completing the Entrepreneurship stream:	
MGB201	Contemporary Employment Relations
OR	
MGB210	Managing Operations
Year 4 Semester 2 (July)	
MGB309	Managing Strategically
If you are completing the Management stream:	
MGB335	Managing Projects
If you are completing the Entrepreneurship stream:	
MGB324	Managing Business Growth
Year 5 Semester 1	
BSB399	Real World Ready - Business Capstone
Choose one of:	
MGB310	Managing Sustainable Change
MGB338	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	
Code	**Title**

Year 1 Semester 1	
Code	**Title**
BSB110	Accounting
BSB115	Management

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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	
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
AMB200	Consumer Behaviour
AMB220	Advertising Theory and Practice

Year 3 Semester 1	
Code	Title
MGB227	Entrepreneurship
AMB201	Marketing and Audience Analytics

Year 3 Semester 2	
Code	Title
AMB318	Advertising Copywriting
AMB319	Media Planning

Year 4 Semester 1	
Code	Title
AMB320	Advertising Management
AMB330	Digital Portfolio

Year 4 Semester 2	
Code	Title
AMB339	Advertising Campaigns
BSB399	Real World Ready - Business Capstone

Semester 2 (July) commencement	
Code	Title

Year 1 Semester 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
AMB201	Marketing and Audience Analytics

Year 3 Semester 1 (February)	
Code	Title
AMB220	Advertising Theory and Practice
BSB111	Business Law and Ethics

Year 3 Semester 2 (July)	
Code	Title
AMB318	Advertising Copywriting
AMB319	Media Planning

Year 4 Semester 1 (February)	
Code	Title
AMB320	Advertising Management
AMB330	Digital Portfolio

Year 4 Semester 2 (July)	
Code	Title
AMB339	Advertising Campaigns
AMB200	Consumer Behaviour

Year 5 Semester 1 (February)	
Code	Title
MGB227	Entrepreneurship
BSB399	Real World Ready - Business Capstone

In this list

Bachelor of Science/Bachelor of Business

Semester 1 (February) commencement	
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
MGB227	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	
Code	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

Year 3 Semester 2 (July)	
Code	Title
EFB330	Intermediate Macroeconomics
Economics Optional Unit	

Year 4 Semester 1 (February)	
Code	Title
Economics Optional Unit	
Economics Optional Unit	

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
MGB227	Entrepreneurship

In this list

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
MGB227	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

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EFB360	Finance Capstone

Semester 2 (July) commencement	
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
MGB227	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	
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
AMB200	Consumer Behaviour
AMB201	Marketing and Audience Analytics

Year 3 Semester 1	
Code	Title
MGB227	Entrepreneurship
AMB240	Marketing Planning and Management

Year 3 Semester 2	
Code	Title
AMB202	Integrated Marketing Communication
AMB336	International Marketing

Year 4 Semester 1	
Code	Title
AMB330	Digital Portfolio
AMB340	Services Marketing

Year 4 Semester 2	
Code	Title
BSB399	Real World Ready - Business Capstone
AMB359	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
MGB227	Entrepreneurship

Year 3 Semester 1 (February)	
Code	Title
BSB110	Accounting
AMB201	Marketing and Audience Analytics

Year 3 Semester 2 (July)	
Code	Title
AMB202	Integrated Marketing Communication
AMB240	Marketing Planning and Management

Year 4 Semester 1 (February)	
Code	Title
AMB340	Services Marketing
AMB330	Digital Portfolio

Year 4 Semester 2 (July)	
Code	Title
AMB336	International Marketing
AMB200	Consumer Behaviour

Year 5 Semester 1 (February)	
Code	Title
AMB359	Strategic Marketing
BSB399	Real World Ready - Business Capstone

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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
AMB263	Introduction to Public Relations
AMB264	Public Relations Techniques

Year 2 Semester 2	
Code	Title
AMB201	Marketing and Audience Analytics
BSB111	Business Law and Ethics

Year 3 Semester 1	
Code	Title
AMB372	Public Relations Planning
AMB373	Issues, Stakeholders and Reputation

Year 3 Semester 2	
Code	Title
BSB115	Management
MGB227	Entrepreneurship

Year 4 Semester 1	
Code	Title
BSB399	Real World Ready - Business Capstone
AMB374	Global Public Relations Cases

Year 4 Semester 2	
Code	Title
AMB375	Internal Communication and Change
AMB379	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
AMB201	Marketing and Audience Analytics

Year 3 Semester 1 (February)	
Code	Title
AMB263	Introduction to Public Relations
AMB264	Public Relations Techniques

Year 3 Semester 2 (July)	
Code	Title
AMB372	Public Relations Planning
MGB227	Entrepreneurship

Year 4 Semester 1 (February)	
Code	Title
AMB373	Issues, Stakeholders and Reputation
AMB374	Global Public Relations Cases

Year 4 Semester 2 (July)	
Code	Title
AMB375	Internal Communication and Change
AMB379	Public Relations Campaigns

Year 5 Semester 1 (February)	
Code	Title
BSB399	Real World Ready - Business Capstone
BSB111	Business Law and Ethics

Bachelor of Business/Bachelor of Mathematics

Year	2020
QUT code	IX30
CRICOS	059601K
Duration (full-time)	4 years
OP	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 - 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 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

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 Scholarships.

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit

points from the Bachelor of Mathematics program and 192 credit points from the Bachelor of Business program.

Business component:

- eight Business School core units (96 credit points) including MGB227 (see below)*
- eight major core units (96 credit points)

*Please note that BSB123 Data Analysis (one of the Business School core units) is not required as the content of MXB107 covers similar topics.
MGB227 Entrepreneurship replaces BSB123.

*Accounting major students complete six business core units and 10 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 real-world 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 real-world problems.

Sample Structure

Semesters

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

Code	Title
Year 1 Semester 1	
	Business School Unit
	Business School Unit
	Maths Core Unit
	Maths Core Unit
Year 1 Semester 2	
	Business School Unit
	Business School Unit
	Maths Core Unit
	Maths Core Unit
Year 2 Semester 1	
	Business School Unit
	Business School Unit
	Maths Core Unit
	Maths Core Option Unit
Year 2 Semester 2	
	Business School Unit
	Business School Unit
	Maths Core Unit
	Maths Core Unit
Year 3 Semester 1	
	Business School Unit
	Business School Unit
	Maths Common Major Unit
	Maths Major Unit
Year 3 Semester 2	
	Business School Unit
	Business School Unit
	Maths Common Major Unit
	Maths Major Unit
Year 4 Semester 1	
	Business School Unit
	Business School Unit
	Maths Major Unit
	Maths Major Unit
Year 4 Semester 2	
	Business School Unit
	Business School Unit
	Maths Major Unit
	Maths Major Unit (Capstone)

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Economics Options List

Code	Title
Year 1 Semester 1	
BSB113	Economics

Bachelor of Business/Bachelor of Mathematics

BSB126	Marketing
Year 1 Semester 2	
BSB110	Accounting
BSB115	Management
Year 2 Semester 1	
BSB111	Business Law and Ethics
BSB119	Global Business
Year 2 Semester 2	
MGB227	Entrepreneurship
EFB223	Economics 2
Year 3 Semester 1	
EFB330	Intermediate Macroeconomics
EFB331	Intermediate Microeconomics
Year 3 Semester 2	
Economics Optional Unit	
Economics Optional Unit	
Year 4 Semester 1	
Economics Optional Unit	
Economics Optional Unit	
Year 4 Semester 2	
EFB338	Contemporary Application of Economic Theory
BSB399	Real World Ready - Business Capstone
Economics Options List	
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

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 Semester 2	
BSB126	Marketing
BSB119	Global Business
Year 3 Semester 1	
AYB250	Personal Financial Planning
BSB115	Management
Year 3 Semester 2	
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4 Semester 1	
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4 Semester 2	
BSB399	Real World Ready - Business Capstone
AYB346	Financial Plan Construction (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	
MGB227	Entrepreneurship
AYB219	Taxation Law
Year 2 Semester 2	
BSB126	Marketing
AYB250	Personal Financial Planning
Year 3 Semester 1	
AYB240	Superannuation and Retirement Planning
BSB115	Management
Year 3 Semester 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

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	
BSB113	Economics
BSB115	Management
Year 1 Semester 2	
BSB110	Accounting
BSB126	Marketing
Year 2 Semester 1	
BSB111	Business Law and Ethics
MGB200	Managing People
Year 2 Semester 2	
BSB119	Global Business
MGB227	Entrepreneurship
Year 3 Semester 1	
MGB214	Introducing People Management and Analytics
MGB229	Obligations and Options for Employing People
Year 3 Semester 2	
MGB230	Recruiting and Selecting People
BSB399	Real World Ready - Business Capstone
Year 4 Semester 1	
MGB331	Developing People
MGB339	Managing Performance and Rewards
Year 4 Semester 2	
MGB372	Creating Value through People
Choose one of the following units:	
MGB306	Independent Study
MGB31	Managing Sustainable

Bachelor of Business/Bachelor of Mathematics

0	Change
MGB338	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	
BSB119	Global Business
BSB126	Marketing
Year 1 Semester 2	
BSB110	Accounting
BSB115	Management
Year 2 Semester 1	
BSB113	Economics
MGB225	Intercultural Communication and Negotiation Skills
Year 2 Semester 2	
MGB227	Entrepreneurship
BSB111	Business Law and Ethics
Year 3 Semester 1	
AMB210	Importing and Exporting
AYB227	International Accounting
Year 3 Semester 2	
MGB340	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

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
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 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 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
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 1	
MXB201	Advanced Linear Algebra
MXB242	Regression and Design
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB241	Probability and Stochastic Modelling 2

Bachelor of Business/Bachelor of Mathematics

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	
Code	Title

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 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	
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
AMB200	Consumer Behaviour
AMB220	Advertising Theory and Practice

Year 3 Semester 1	
Code	Title
MGB227	Entrepreneurship
AMB20	Marketing and Audience
1	Analytics

Year 3 Semester 2	
Code	Title
AMB318	Advertising Copywriting
AMB319	Media Planning

Year 4 Semester 1	
Code	Title
AMB320	Advertising Management
AMB330	Digital Portfolio

Year 4 Semester 2	
Code	Title
AMB339	Advertising Campaigns
BSB399	Real World Ready - Business Capstone

Semester 2 (July) commencement	
Code	Title

Year 1 Semester 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
AMB201	Marketing and Audience Analytics

Year 3 Semester 1 (February)	
Code	Title
AMB220	Advertising Theory and Practice
BSB111	Business Law and Ethics

Year 3 Semester 2 (July)	
Code	Title
AMB318	Advertising Copywriting
AMB319	Media Planning

Year 4 Semester 1 (February)	
Code	Title
AMB320	Advertising Management

Bachelor of Business/Bachelor of Mathematics

AMB330	Digital Portfolio

Year 4 Semester 2 (July)	
Code	Title
AMB339	Advertising Campaigns
AMB200	Consumer Behaviour

Year 5 Semester 1 (February)	
Code	Title
MGB227	Entrepreneurship
BSB399	Real World Ready - Business Capstone

In this list

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
MGB227	Entrepreneurship

Year 3 Semester 1	
Code	Title
EFB201	Financial Markets
EFB223	Economics 2

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

In this list

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 Semester 2	
Code	Title
MGB200	Managing People
MGB225	Intercultural Communication and Negotiation Skills

Year 3 Semester 1	
Code	Title
MGB226	Innovation, Knowledge and Creativity
MGB227	Entrepreneurship

Year 3 Semester 2	
Code	Title
BSB399	Real World Ready - Business Capstone
If you are completing the Management Stream:	
MGB210	Managing Operations
If you are completing the Entrepreneurship stream:	
MGB201	Contemporary Employment Relations
MGB210	Managing Operations

Year 4 Semester 1	
Code	Title
MGB341	Managing Risk
If you are completing the Management Stream:	
MGB335	Managing Projects
If you are completing the Entrepreneurship stream:	
MGB324	Managing Business Growth

Year 4 Semester 2	
Code	Title
MGB309	Managing Strategically
MGB310	Managing Sustainable Change
MGB338	Workplace Learning

In this list

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

Bachelor of Business/Bachelor of Mathematics

Year 2 Semester 2	
Code	Title
AMB200	Consumer Behaviour
AMB201	Marketing and Audience Analytics

Year 3 Semester 1	
Code	Title
MGB227	Entrepreneurship
AMB240	Marketing Planning and Management

Year 3 Semester 2	
Code	Title
AMB202	Integrated Marketing Communication
AMB336	International Marketing

Year 4 Semester 1	
Code	Title
AMB330	Digital Portfolio
AMB340	Services Marketing

Year 4 Semester 2	
Code	Title
BSB399	Real World Ready - Business Capstone
AMB359	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
MGB227	Entrepreneurship

Year 3 Semester 1 (February)	
Code	Title
BSB110	Accounting
AMB201	Marketing and Audience Analytics

Year 3 Semester 2 (July)	
Code	Title
AMB202	Integrated Marketing Communication
AMB240	Marketing Planning and Management

Year 4 Semester 1 (February)	
Code	Title
AMB340	Services Marketing
AMB330	Digital Portfolio

Year 4 Semester 2 (July)	
Code	Title
AMB336	International Marketing
AMB200	Consumer Behaviour

Year 5 Semester 1 (February)	
Code	Title
AMB359	Strategic Marketing
BSB399	Real World Ready - Business Capstone

In this list

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
AMB263	Introduction to Public Relations
AMB264	Public Relations Techniques

Year 2 Semester 2	
Code	Title
AMB201	Marketing and Audience Analytics
BSB111	Business Law and Ethics

Year 3 Semester 1	
Code	Title
AMB372	Public Relations Planning
AMB373	Issues, Stakeholders and Reputation

Year 3 Semester 2	
Code	Title
BSB115	Management
MGB227	Entrepreneurship

Year 4 Semester 1	
Code	Title
BSB399	Real World Ready - Business Capstone
AMB374	Global Public Relations Cases

Year 4 Semester 2	
Code	Title
AMB375	Internal Communication and Change
AMB379	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
AMB201	Marketing and Audience Analytics

Bachelor of Business/Bachelor of Mathematics

Year 3 Semester 1 (February)	
Code	Title
AMB263	Introduction to Public Relations
AMB264	Public Relations Techniques

Year 3 Semester 2 (July)	
Code	Title
AMB372	Public Relations Planning
MGB227	Entrepreneurship

Year 4 Semester 1 (February)	
Code	Title
AMB373	Issues, Stakeholders and Reputation
AMB374	Global Public Relations Cases

Year 4 Semester 2 (July)	
Code	Title
AMB375	Internal Communication and Change
AMB379	Public Relations Campaigns

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
OP	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

with what you're learning in your degree. Companies that QUT's students have worked with include Energex, Boeing, CITEC, CSC Mining, Environmental Protection Agency, Dialog, UNiTAB, RACQ and many Queensland Government departments.

Unit Incompatibility/Translation Information

Details on the translation and incompatibility of old and new units is located here:
Undergraduate Translation Table
If you have completed the unit(s) listed under the "Translation Unit Codes" column, you are not permitted to enrol in the listed new code.

Domestic Course structure

You will undertake the Bachelor of Creative Industries core units (96 credit points) as well as 96 credit points from a creative industries major.

The Bachelor of Information Technology degree comprises of:

- 72 credit points (6 units) of information technology core units, which includes 24 credit points (2 units) of option units* selected from an approved list
- 120 credit points (10 units) of major core units (Information Systems or Computer Science).

Study overseas

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	
KKB102	Creative Industries: Making Connections
Creative Industries Major: Second Unit	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
A unit from the Level 1 Unit Options (either DXB102 or KPB101 or KVB104):	
DXB102	Visual Communication
KPB101	Introduction to Screen Production
KVB104	Photo Media and Art Practice
Creative Industries Major: Third Unit	
Note: For students intending to complete KYB201 Socially Engaged Arts Practice as the 'Level 2 Unit Option' - you should enrol in KYB201 in Year 2 Semester 1 instead of your Creative Industries Major: Third Unit. You will undertake your Creative Industries Major: Third Unit in Year 2 Semester 2.	
Year 2, Semester 2	
IT Major Unit	
IT Major Unit	
A unit from the Level 2 Unit Options (either KKB285 or KYB201):	
KKB285	Creative Enterprise Studio 2
KYB201	Socially Engaged Arts Practice
Creative Industries Major: Fourth Unit	
Note: KXB202 Project Management for Entertainment and KTB211 Creative Industries Events and Festivals are permitted to count as a 'Level 2 Unit Option'.	
Note: For students intending to complete KYB201 Socially Engaged Arts Practice as the 'Level 2 Unit Option' - you should enrol in KYB201 in Year 2 Semester 1 instead of your Creative Industries Major: Third Unit. You will undertake your Creative Industries Major: Third Unit in Year 2 Semester 2.	
Year 3, Semester 1	
IT Major Unit	
IT Major Unit	
Creative Industries Major: Fifth Unit	
A unit from the Creative Industries University Wide or Work Integrated Learning Unit Options lists	
Year 3, Semester 2	
IT Major Unit	
IT Major Unit	
Creative Industries Major: Sixth Unit	
A unit from the Creative Industries University Wide or Work Integrated Learning Unit Options lists	
Year 4, Semester 1	
IT Major Unit	
IT Major Unit	
Creative Industries Major: Seventh Unit	
A unit from the Creative Industries Work Integrated Learning Unit Options	
Year 4, Semester 2	
IT Major Unit	
IT Major Unit	
Creative Industries Major: Eighth Unit	
A unit from the Creative Industries Work Integrated Learning Unit Options	

Bachelor of Business/Bachelor of Engineering (Honours)

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

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

Bachelor of Business/Bachelor of Engineering (Honours)

	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	
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
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
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 - 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
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	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 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
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

Bachelor of Business/Bachelor of Engineering (Honours)

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	
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

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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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 - 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

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	
EGB120	Foundations of Electrical 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 - Semester 2	
EGB322	Thermodynamics
EGH404	Research in Engineering 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
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	
EGB120	Foundations of Electrical 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 - 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 - 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	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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 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

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 Semester 2	
BSB111	Business Law and Ethics
BSB123	Data Analysis
Year 2 Semester 1	
AYB200	Financial Accounting
AYB225	Management Accounting
Year 2 Semester 2	
AYB221	Accounting Systems and Analytics
BSB113	Economics
Year 3 Semester 1	
EFB210	Finance 1
BSB399	Real World Ready - Business Capstone
Year 3 Semester 2	
AYB321	Strategic Management Accounting
AYB340	Company Accounting
Year 4 Semester 1	
AYB219	Taxation Law
AYB230	Corporations Law
Year 4 Semester 2	
AYB301	Audit and Assurance
AYB311	Financial Accounting Issues

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Semesters

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	
AMB220	Advertising Theory and Practice
BSB115	Management
Year 2 Semester 2	
AMB200	Consumer Behaviour
AMB201	Marketing and Audience 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
BSB399	Real World Ready - Business 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
AMB220	Advertising Theory and Practice
Year 3, Semester 1	
AMB201	Marketing and Audience 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
BSB399	Real World Ready - Business Capstone

Semesters

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	
BSB399	Real World Ready - Business Capstone
Choose an elective from the Applied Economics or Quantitative Economics Unit Option lists	
Year 4 Semester 2	
EFB338	Contemporary Application of 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	
EFB338	Contemporary Application of Economic Theory
Economics Option Unit	
Year 5, Semester 1	
BSB126	Marketing
BSB399	Real World Ready - Business Capstone
Applied Economics Unit Options	
EFB201	Financial Markets
EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB336	International Economics
Quantitative Economics Unit Options	
EFB222	Introduction to Applied

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	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 Semester 1	
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
EFB344	Risk Management and Derivatives
Year 4 Semester 1	
BSB399	Real World Ready - Business 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
EFB344	Risk Management and Derivatives
Year 4, Semester 2	
BSB399	Real World Ready - Business 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) 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 1	
AYB250	Personal Financial Planning
BSB115	Management
Year 3 Semester 2	
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4 Semester 1	
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4 Semester 2	
BSB399	Real World Ready - Business Capstone
AYB346	Financial Plan Construction (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	
MGB227	Entrepreneurship
AYB219	Taxation Law
Year 2 Semester 2	
BSB126	Marketing
AYB250	Personal Financial Planning
Year 3 Semester 1	
AYB240	Superannuation and Retirement Planning
BSB115	Management
Year 3 Semester 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

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

Bachelor of Business/Bachelor of Engineering (Honours)

- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Year 1 Semester 1	
BSB113	Economics
BSB115	Management
Year 1 Semester 2	
BSB111	Business Law and Ethics
BSB119	Global Business
Year 2 Semester 1	
MGB200	Managing People
BSB123	Data Analysis
Year 2 Semester 2	
MGB214	Introducing People Management and Analytics
BSB110	Accounting
Year 3 Semester 1	
MGB229	Obligations and Options for Employing People
MGB230	Recruiting and Selecting People
Year 3 Semester 2	
MGB331	Developing People
BSB126	Marketing
Year 4 Semester 1	
MGB339	Managing Performance and Rewards
MGB372	Creating Value through People
Year 4 Semester 2	
BSB399	Real World Ready - Business Capstone
Choose one of the following	
MGB306	Independent Study
MGB310	Managing Sustainable Change
MGB338	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	
BSB113	Economics
BSB115	Management
Year 1 Semester 2	
BSB111	Business Law and Ethics
BSB119	Global Business
Year 2 Semester 1	
BSB123	Data Analysis
MGB200	Managing People
Year 2 Semester 2	
MGB214	Introducing People Management and Analytics
BSB110	Accounting
In 2019, unit MGB207 Human Resource Issues and Strategy is replaced by MGB214.	
Year 3 Semester 1	
MGB220	Human Resource Decision Making
MGB331	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	
MGB229	Obligations and Options for 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
MGB339	Managing Performance and Rewards
Year 4 Semester 2	
MGB230	Recruiting and Selecting People
MGB372	Creating Value through People
In 2019, unit 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
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	
BSB113	Economics
MGB225	Intercultural Communication and Negotiation Skills
Year 2 Semester 2	
BSB111	Business Law and Ethics
BSB123	Data Analysis
Year 3 Semester 1	
MGB340	International Business in the Asia-Pacific
AYB227	International Accounting
Year 3 Semester 2	
AMB210	Importing and Exporting
EFB240	Finance for International Business
Year 4 Semester 1	
AMB303	International Logistics
AMB336	International Marketing
Year 4 Semester 2	
AMB369	International Business Strategy
BSB399	Real World Ready - Business Capstone
Semester 2 (July) commencement	
Year 1, Semester 2	
BSB119	Global Business
BSB126	Marketing
Year 2, Semester 1	
BSB110	Accounting
BSB123	Data Analysis
Year 2, Semester 2	
BSB113	Economics
BSB115	Management
Year 3, Semester 1	
AYB227	International Accounting
MGB225	Intercultural Communication and Negotiation Skills
Year 3, Semester 2	
AMB210	Importing and Exporting
EFB240	Finance for International Business
Year 4, Semester 1	
AMB303	International Logistics
AMB336	International Marketing

Bachelor of Business/Bachelor of Engineering (Honours)

Year 4, Semester 2	
MGB340	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

Code	Title
Semester 1 (February) commencment	
Year 1 Semester 1	
BSB113	Economics
BSB115	Management
Year 1 Semester 2	
BSB111	Business Law and Ethics
BSB126	Marketing
Year 2 Semester 1	
BSB110	Accounting
BSB119	Global Business
Year 2 Semester 2	
MGB200	Managing People
BSB123	Data Analysis
Year 3 Semester 1	
MGB226	Innovation, Knowledge and Creativity
If you are completing the Management stream:	
MGB210	Managing Operations
If you are completing the Entrepreneurship stream:	
MGB201	Contemporary Employment Relations
Year 3 Semester 2	
MGB225	Intercultural Communication and Negotiation Skills
MGB335	Managing Projects
MGB324	Managing Business Growth
Year 4 Semester 1	
BSB399	Real World Ready - Business Capstone
MGB341	Managing Risk
Year 4 Semester 2	
MGB309	Managing Strategically
MGB310	Managing Sustainable Change
MGB338	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
BSB110	Accounting
Year 3, Semester 1	
MGB200	Managing People
MGB225	Intercultural Communication and Negotiation Skills
Year 3, Semester 2	
MGB226	Innovation, Knowledge and Creativity
BSB123	Data Analysis
Year 4, Semester 1	
MGB341	Managing Risk
If you are completing a management stream:	
MGB210	Managing Operations
If you are completing an entrepreneurship stream:	
MGB201	Contemporary Employment Relations
Year 4, Semester 2	
MGB309	Managing Strategically
If you are completing a management stream:	
MGB335	Managing Projects
If you are completing an entrepreneurship stream:	
MGB324	Managing Business Growth
Year 5, Semester 1	
BSB399	Real World Ready - Business Capstone
Choose one of the following:	
MGB310	Managing Sustainable Change
MGB338	Workplace Learning

Semesters

Code	Title
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	
AMB201	Marketing and Audience Analytics
AMB200	Consumer Behaviour
Year 3 Semester 1	
AMB202	Integrated Marketing Communication
AMB240	Marketing Planning and Management
Year 3 Semester 2	
BSB110	Accounting
AMB336	International Marketing
Year 4 Semester 1	
AMB330	Digital Portfolio
AMB340	Services Marketing
Year 4 Semester 2	
BSB399	Real World Ready - Business Capstone
AMB359	Strategic Marketing
Semester 2 (July) commencement	

Bachelor of Business/Bachelor of Engineering (Honours)

Year 1, Semester 2	
BSB113	Economics
BSB126	Marketing
Year 2, Semester 1	
BSB111	Business Law and Ethics
BSB123	Data Analysis
Year 2, Semester 2	
BSB110	Accounting
AMB200	Consumer Behaviour
Year 3, Semester 1	
AMB201	Marketing and Audience Analytics
AMB240	Marketing Planning and Management
Year 3, Semester 2	
AMB202	Integrated Marketing Communication
BSB119	Global Business
Year 4, Semester 1	
AMB330	Digital Portfolio
AMB340	Services Marketing
Year 4, Semester 2	
BSB115	Management
AMB336	International Marketing
Year 5, Semester 1	
BSB399	Real World Ready - Business Capstone
AMB359	Strategic Marketing

Semesters

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 Relations
AMB264	Public Relations Techniques
Year 2 Semester 2	
AMB201	Marketing and Audience Analytics
BSB111	Business Law and Ethics
Year 3 Semester 1	
AMB373	Issues, Stakeholders and Reputation
AMB372	Public Relations Planning
Year 3 Semester 2	
BSB113	Economics
BSB123	Data Analysis
Year 4 Semester 1	
AMB374	Global Public Relations Cases
BSB399	Real World Ready - Business Capstone
Year 4 Semester 2	
AMB375	Internal Communication and Change
AMB379	Public Relations Campaigns
Semester 2 (July) commencement	
Year 1, Semester 2	
BSB119	Global Business
BSB126	Marketing
Year 2, Semester 1	
BSB110	Accounting
BSB123	Data Analysis
Year 2, Semester 2	
BSB113	Economics
AMB201	Marketing and Audience Analytics
Year 3, Semester 1	
AMB263	Introduction to Public Relations
AMB264	Public Relations Techniques
Year 3, Semester 2	
AMB372	Public Relations Planning
BSB115	Management
Year 4, Semester 1	
AMB373	Issues, Stakeholders and Reputation
AMB374	Global Public Relations Cases
Year 4, Semeter 2	
AMB375	Internal Communication and Change
AMB379	Public Relations Campaigns
Year 5, Semester 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
OP	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 English Language Testing System)	
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 re-designed 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,

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

Code	Title
Year 1, Semester 1	
IFB101	Impact of IT
IFB102	Introduction to Computer Systems
DXB101	Design and Creative Thinking
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
DXB401	Advanced Web Design
Year 4, Semester 1	
IT Major Unit	
IT Major Unit	
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, Semester 2	
IT Major Unit	
IT Major Unit	
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
OP	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.au
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.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)

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

Course Structure Information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the Australian Higher Education Graduation Statement.

Total Law credit points: 336
Total credit points for core units: 240
Total credit points for elective units: 96
Honours Level Units

96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons):
LLH201 Legal Research,
LLH206 Administrative Law,
LLH302 Ethics and the Legal Profession,
LLH305 Corporate Law,
LLH401 Legal Research Capstone (24 cps) and
two Advanced Electives in law.

Professional Recognition

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.
Graduates will satisfy the requirements for membership in the relevant professional body for their science major.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

As a graduate, you may enter legal practice with an education in both the content and process of science and data analysis that will enable you to deal with the complexities of litigation that have a scientific and technological dimension, such as inventions, trade secrets, quantitative evidence, and constitutional disputes giving rise to environmental issues. On the other hand, you may choose to follow a career path in the sciences, enhancing your opportunities in a particular discipline such as environmental science or biotechnology

through your knowledge of the law.

You will graduate with specialised knowledge of cutting-edge technologies and extensive practical experience using the latest techniques. You have a broad range of options to choose from and the flexibility to create your own personal science degree program.

In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations.
Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Non-standard attendance

Field work is a requirement in some areas of science.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at deferment

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science.(ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- 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	

Bachelor of Science/Bachelor of Laws (Honours)

LLB101	Introduction to Law
LLB102	Torts
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	
LLB106	Criminal Law
LLB107	Statutory Interpretation
Science Core Unit Option	
Science Major Option Unit (for Biology, Earth Science, Environmental Science) or MXB100 (Chemistry and Physics)	
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication	
Year 2 Semester 1	
LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 2	
LLH201	Legal Research
Introductory Law Elective unit or General Law elective unit	
Science Major Unit	
Science Major Unit	
Year 3 Semester 1	
LLB202	Contract Law
LLB203	Constitutional Law
Science Major Unit	
Science Major Unit	
Year 3 Semester 2	
LLB204	Commercial and Personal Property Law
LLB205	Equity and Trusts
Science Major Unit	
Science Major Unit	
Year 4 Semester 1	
LLB301	Real Property Law
General Law Elective unit*	
Science Major Unit	
Science Major Unit	
Year 4 Semester 2	
LLB303	Evidence
LLH206	Administrative Law
Science Major Unit	
Science Major Unit	
Year 5 Semester 1	
LLH302	Ethics and the Legal Profession
LLB304	Commercial Remedies
General Law Elective or Non-law Elective or Minor Unit*	
General Law Elective or Non-law	

Elective or Minor Unit*	
Year 5 Semester 2	
LLB306	Civil Procedure
LLH305	Corporate Law
General Law Elective or Non-law Elective or Minor Unit*	
General Law Elective or Non-law Elective or 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 in place of 4 of 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 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- Year 5, Semester 2
- Year 6, Semester 1
- Year 6, Semester 2
- *Law Elective Information

Code	Title
Year 1, Semester 2	
LLB101	Introduction to Law
LLB102	Torts
Year 2, Semester 1	
LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice
Year 2, Semester 2	
LLB106	Criminal Law
LLB107	Statutory Interpretation
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication	
Year 3, Semester 1	
LLB202	Contract Law
LLH201	Legal Research
Year 3, Semester 2	
LLB204	Commercial and Personal Property Law
Introductory Law Elective unit or General Law Elective	
Year 4, Semester 1	
LLB203	Constitutional Law
General Law Elective unit	

Year 4, Semester 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, Semester 2	
LLB303	Evidence
LLB306	Civil Procedure
LLH305	Corporate Law
General Law Elective or Non-law Elective or Minor Unit*	
Year 6, Semester 1	
LLB304	Commercial Remedies
LLH302	Ethics and the Legal Profession
General Law Elective or Non-law Elective or Minor Unit*	
General Law Elective or Non-law Elective or Minor Unit*	
Year 6, Semester 2	
LLH401	Legal Research Capstone
Advanced Law Elective unit	
Advanced Law Elective unit	
***Law Elective Information**	
Law students may complete up to 4 non-law electives or a university wide minor in place of 4 general law electives	
From 2019 students may select the Law, Innovation and Technology Minor in place of 4 general law electives provided they have enough units to do so	

Semesters

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

Code	Title
Year 1, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1, Semester 2	
Science Core Unit Option	
Science Core Unit Option	
Year 2, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution

This information is correct as at 30/11/2020. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX80&id=35438. CRICOS No.00213J

Bachelor of Science/Bachelor of Laws (Honours)

Year 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	
BVB301	Animal Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB302	Applied Biology
BVB304	Integrative 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, 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	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, Semester 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, 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

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	
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	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics

Semesters

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

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	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 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, Semester 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

- Year 1, Semester 1
- Year 1, Semester 2
- 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, 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 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
OP	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.au
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.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 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:

1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
2. (b) 120 credit points (10 units) of Major Core units

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

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

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
2. (b) 120 credit points (10 units) of Major Core units

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

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

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education

Bachelor of Information Technology/Bachelor of Laws (Honours)

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, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
LLB101	Introduction to Law
LLB102	Torts
Year 1, Semester 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 Law Elective unit	
LLH201	Legal Research
Year 3, Semester 1	
IT Major Unit	
IT Major Unit	
LLB202	Contract Law
LLB203	Constitutional Law
Year 3, Semester 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 Law Elective unit	
Year 4, Semester 2	
IT Major Unit	
IT Major Unit	
LLB303	Evidence
LLH206	Administrative Law
Year 5, Semester 1	
LLB304	Commercial Remedies
LLH302	Ethics and the Legal 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 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	
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
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 3, Semester 1	

Bachelor of Information Technology/Bachelor of Laws (Honours)

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:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

Semesters

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
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
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 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
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

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 Business/Bachelor of Games and Interactive Environments

Year	2020
QUT code	IX93
CRICOS	092651C
Duration (full-time)	4 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: $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.

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

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Business program and 192 credit points from the Bachelor of Games and Interactive Environments program.

Business component:

- 8 units (96 credit points) of Business School core units
- 8 units (96 credit points) of Major core units*

** Please note Accounting major students complete 6 business core units (72 credit points) and 10 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 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title
Year 1, Semester 1	
Business School Core Unit	
Business School Core Unit	
BGIE Core Unit	
BGIE Core Unit	
Year 1, Semester 2	
Business School Core Unit	
Business School Core Unit	
BGIE Core Unit	
BGIE Core Unit	
Year 2, Semester 1	
Business School Core Unit	
Business School Core Unit	
BGIE Major Unit (Studio)	
BGIE Core Unit Option	
Year 2, Semester 2	
Business School Core Unit	
Business School Major Unit	
BGIE Major Unit	
BGIE Major Unit	
Year 3, Semester 1	
Business School Major Unit	
Business School Major Unit	
BGIE Major Unit	
BGIE Core Unit Option	
Year 3, Semester 2	
Business School Major Unit	
Business School Major Unit	
BGIE Major Unit (Studio)	
BGIE Major Unit	
Year 4, Semester 1	
Business School Major Unit	
Business School Major Unit	
BGIE Major Unit	
BGIE Major Unit (Captstone)	
Year 4, Semester 2	
Business School Major Unit	
Business School Major Unit	
BGIE Major Unit (Capstone)	
BGIE Major Unit (Studio)	

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- 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 Semester 2	
BSB123	Data Analysis
BSB126	Marketing
Year 2 Semester 1	
BSB111	Business Law and Ethics
BSB113	Economics
Year 2 Semester 2	
AYB200	Financial Accounting
AYB225	Management Accounting
Year 3 Semester 1	
EFB210	Finance 1
AYB221	Accounting Systems and Analytics
Year 3 Semester 2	
AYB219	Taxation Law
AYB340	Company Accounting
Year 4 Semester 1	
AYB230	Corporations Law
AYB321	Strategic Management Accounting
Year 4 Semester 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
AMB220	Advertising Theory and Practice
Year 3 Semester 1	
AMB201	Marketing and Audience 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
BSB399	Real World Ready - Business 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

Code	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	
BSB399	Real World Ready - Business Capstone
Year 4 Semester 1	

Bachelor of Business/Bachelor of Games and Interactive Environments

Economics Optional Unit	
Economics Optional Unit	
Year 4 Semester 2	
Economics Optional Unit	
EFB338	Contemporary Application of Economic Theory
Economics Options List	
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	
Year 1 Semester 2	
BSB113	Economics
BSB123	Data Analysis
Year 2 Semester 1	
BSB110	Accounting
BSB126	Marketing
Year 2 Semester 2	
BSB111	Business Law and Ethics
BSB119	Global Business
Year 3 Semester 1	
BSB115	Management
EFB223	Economics 2
Year 3 Semester 2	
EFB330	Intermediate Macroeconomics
EFB331	Intermediate Microeconomics
Year 4 Semester 1	
BSB399	Real World Ready - Business Capstone
Economics Option Unit	
Year 4 Semester 2	
Economics Option Unit	
Economics Option Unit	
Year 5 Semester 1	
EFB338	Contemporary Application of Economic Theory
Economics Option Unit	
Economics Option List	
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

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
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	
BSB399	Real World Ready - Business Capstone
EFB335	Investments
Year 4 Semester 2	
EFB344	Risk Management and 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 Semester 2	
BSB123	Data Analysis
BSB111	Business Law and Ethics
Year 3 Semester 1	
BSB119	Global Business
EFB223	Economics 2
Year 3 Semester 2	
EFB201	Financial Markets
EFB210	Finance 1
Year 4 Semester 1	
EFB312	International Finance
EFB343	Corporate Finance
Year 4 Semester 2	
BSB399	Real World Ready - Business Capstone
EFB335	Investments
Year 5 Semester 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, Semester 2	

Bachelor of Business/Bachelor of Games and Interactive Environments

BSB126	Marketing
BSB119	Global Business
Year 3, Semester 1	
AYB250	Personal Financial Planning
BSB115	Management
Year 3, Semester 2	
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, Semester 1	
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4, Semester 2	
BSB399	Real World Ready - Business Capstone
AYB346	Financial Plan Construction (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	
BSB123	Data Analysis
AYB219	Taxation Law
Year 2, Semester 2	
BSB126	Marketing
AYB250	Personal Financial Planning
Year 3, Semester 1	
AYB240	Superannuation and Retirement Planning
BSB115	Management
Year 3, Semester 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

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
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	
MGB200	Managing People
MGB214	Introducing People Management and Analytics
Year 3 Semester 1	
MGB229	Obligations and Options for Employing People
MGB230	Recruiting and Selecting People
Year 3 Semester 2	
MGB331	Developing People
BSB119	Global Business
In 2019, unit MGB201 Contemporary Employment Relations is replaced by MGB229.	
Year 4 Semester 1	
MGB339	Managing Performance and Rewards
BSB399	Real World Ready - Business Capstone
Year 4 Semester 2	
MGB372	Creating Value through People
Select one of the following units:	
MGB306	Independent Study
MGB310	Managing Sustainable Change
MGB338	Workplace Learning
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	
MGB200	Managing People
BSB111	Business Law and Ethics
Year 3 Semester 1	
MGB214	Introducing People Management and Analytics
BSB123	Data Analysis
Year 3 Semester 2	
MGB229	Obligations and Options for Employing People
MGB230	Recruiting and Selecting People
Year 4 Semester 1	
MGB331	Developing People
MGB339	Managing Performance and Rewards
Year 4 Semester 2	
BSB110	Accounting
MGB372	Creating Value through People
Year 5 Semester 1	
BSB399	Real World Ready - Business Capstone
Choose one of the following units:	
MGB306	Independent Study
MGB310	Managing Sustainable Change
MGB338	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	
MGB22	Intercultural Communication

Bachelor of Business/Bachelor of Games and Interactive Environments

5	and Negotiation Skills
BSB123	Data Analysis
Year 2 Semester 2	
BSB111	Business Law and Ethics
BSB113	Economics
Year 3 Semester 1	
MGB340	International Business in the Asia-Pacific
AYB227	International Accounting
Year 3 Semester 2	
AMB210	Importing and Exporting
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

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
BSB115	Management
Year 1 Semester 2	
BSB119	Global Business
BSB123	Data Analysis
Year 2 Semester 1	
BSB110	Accounting
BSB111	Business Law and Ethics
Year 2 Semester 2	
MGB200	Managing People
MGB225	Intercultural Communication and Negotiation Skills
Year 3 Semester 1	
MGB226	Innovation, Knowledge and Creativity
MGB210	Managing Operations
MGB227	Entrepreneurship
Year 3 Semester 2	
BSB126	Marketing
MGB335	Managing Projects
MGB324	Managing Business Growth
Year 4 Semester 1	
BSB399	Real World Ready - Business Capstone
MGB341	Managing Risk
Year 4 Semester 2	
MGB309	Managing Strategically
MGB310	Managing Sustainable Change
MGB338	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	
MGB200	Managing People
MGB225	Intercultural Communication and Negotiation Skills
Year 3 Semester 2	
BSB110	Accounting
MGB226	Innovation, Knowledge and Creativity
Year 4 Semester 1	
Note: students completing a management stream must complete MGB210. Students completing an entrepreneurship stream must complete MGB227.	
MGB210	Managing Operations
OR	
MGB227	Entrepreneurship
MGB341	Managing Risk
Year 4 Semester 2	
Note: students completing a management stream must complete MGB335. Students completing an entrepreneurship stream must complete MGB324.	
MGB335	Managing Projects
OR	
MGB324	Managing Business Growth
MGB309	Managing Strategically
Year 5 Semester 1	
BSB399	Real World Ready - Business Capstone
MGB310	Managing Sustainable Change
OR	
MGB338	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
BSB113	Economics
Year 1 Semester 2	
BSB111	Business Law and Ethics
BSB115	Management
Year 2 Semester 1	
BSB119	Global Business
AMB200	Consumer Behaviour
Year 2 Semester 2	
BSB110	Accounting
BSB123	Data Analysis
Year 3 Semester 1	
AMB240	Marketing Planning and Management
AMB201	Marketing and Audience Analytics
Year 3 Semester 2	
AMB202	Integrated Marketing Communication
AMB336	International Marketing
Year 4 Semester 1	
AMB330	Digital Portfolio
AMB340	Services Marketing
Year 4 Semester 2	
BSB399	Real World Ready - Business 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	
AMB263	Introduction to Public Relations
AMB264	Public Relations Techniques
Year 2 Semester 2	
AMB201	Marketing and Audience Analytics
BSB111	Business Law and Ethics
Year 3 Semester 1	
AMB372	Public Relations Planning
AMB373	Issues, Stakeholders and Reputation
Year 3 Semester 2	
BSB113	Economics
BSB123	Data Analysis
Year 4 Semester 1	
BSB399	Real World Ready - Business Capstone
AMB374	Global Public Relations Cases
Year 4 Semester 2	
AMB375	Internal Communication and 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
Semester 1 (February) commencements	
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	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
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 2, Semester 2	
KNB127	CGI Foundations
KNB135	Animation Aesthetics
Year 3, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
KNB137	Digital Worlds
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
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	
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	
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	

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
IGB300	Capstone Project (Game Design)
Year 4, Semester 2	
IGB301	Capstone Project (Game Development)
IGB400	Game Studio 3: Game Innovation
Semester 2 (July) commencements	
Year 1, Semester 2	
IFB103	IT Systems Design
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	
IGB100	Game Studio 1: Mini-Game Development
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

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	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 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	AI for Games
Year 4, Semester 2	
IGB301	Capstone Project (Game Development)
IGB400	Game Studio 3: Game Innovation

Semester 2 (July) commencements	
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 2, Semester 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	AI 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	

Bachelor of Urban Development (Honours) (Urban and Regional Planning)/ Bachelor of Science (Environmental Science)

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 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

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit.
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Envrionmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

International Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Envrionmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

Sample Structure

Semesters

- 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)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
UXB131	Planning and Design Practice
UXB132	Urban Analysis
Year 1, Semester 2	
Science: Core Unit Option	
Environmental Science Major Option Unit	
UXB133	Urban Studies
UXB134	Land Use Planning
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
UXB100	Design-thinking for the Built Environment
UXB130	History of the Built Environment
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
LWS012	Urban Development Law
UXB135	Negotiation and Conflict Resolution
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
UXB231	Stakeholder Engagement
UXB233	Planning Law
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
UXB230	Site Planning
UXB234	Transport Planning
Year 4, Semester 1	
EVB312	Soils and the Environment
OR	
BVB311	Conservation Biology
USB300	Property Development
UXB330	Urban Design
UXH430	Planning Theory and Ethics
Year 4, Semester 2	
EVB304	Case Studies in Environmental Science
ERB310	Groundwater Systems
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment
Year 5, Semester 1	
EVB312	Soils and the Environment
OR (if EVB312 completed previously)	
BVB311	Conservation Biology
BSB113	Economics
UXH400-1	Project - Part A
UXH431	Urban Planning Practice
Year 5, Semester 2	
UXH331	Environmental Planning
UXH432	Community Planning
UXH433	Regional Planning
UXH400-2	Project - Part B

Bachelor of Science/Bachelor of Mathematics

Year	2020
QUT code	SE20
CRICOS	078353G
Duration (full-time)	4 years
OP	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 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	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1

Bachelor of Science/Bachelor of Mathematics

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 Semester 1	
BVB305	Microbiology and the Environment
BVB203	Plant Biology
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology

Semesters

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- 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	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 2 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 2	
CVB210	Chemical Measurement Science
Science Core Unit Option	
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 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 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

Code	Title
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
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	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics

Semesters

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

Code	Title
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
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 Environmental Science

Semesters

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

Code	Title
Year 1 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
Year 2 Semester 1	
PVB210	Stellar Astrophysics
SEB104	Grand Challenges in Science
Year 2 Semester 2	
SEB113	Quantitative Methods in Science
Science Core Unit Option	
Year 3 Semester 1	

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PQB360	Global Energy Balance and Climate Change
PVB203	Experimental Physics
Year 3 Semester 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 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
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 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 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
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 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

Bachelor of Information Technology/Bachelor of Mathematics

Year	2020
QUT code	SE30
CRICOS	059226F
Duration (full-time)	4 years
OP	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, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 1, Semester 2	
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
IT Core Unit Option	
IT Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 1	
CAB203	Discrete Structures
CAB302	Software Development
Year 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

Semesters

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

Code	Title
Year 1, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
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
IAB402	Information Systems Consulting
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)

Semesters

- Applied and Computational Mathematics Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Applied and Computational Mathematics Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 Semester 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 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

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
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 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

Bachelor of Engineering (Honours)/Bachelor of Mathematics

Year	2020
QUT code	SE40
CRICOS	084922G
Duration (full-time)	5 years
OP	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 (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: 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

Bachelor of Engineering (Honours)/Bachelor of Mathematics

Maths Core option 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
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
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
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

Code	Title
Year 1 - 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 - 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
Year 5 - Semester 1	
EGB362	Operations Management and Process Economics
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice

Bachelor of Engineering (Honours)/Bachelor of Mathematics

EGH463	Plant and Process Design
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

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

Code	Title
Year 1 - 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 - 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 - 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

- Year 1 - Semester 1
- Year 1 - Semester 2
- 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
Year 1 - 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 - 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	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 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
Advanced Computer and Software Systems Option Unit	
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
CAB432	Cloud Computing
Advanced Computer and Software Systems Option Unit	

Semesters

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

Code	Title
Year 1 - 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 - 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	
EGH400 -1	Research Project 1
EGH404	Research in Engineering

Bachelor of Engineering (Honours)/Bachelor of Mathematics

	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

- Year 1 - Semester 1
- Year 1 - Semester 2
- 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
Year 1 - 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 - 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	
CAB202	Microprocessors and Digital Systems
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 - 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

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

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

Bachelor of Engineering (Honours)/Bachelor of Mathematics

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

Code	Title
Year 1 - 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 - 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	
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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB319	BioDesign
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - Semester 2	
EGH400-2	Research Project 2

Bachelor of Science/Bachelor of Information Technology

Year	2020
QUT code	SE50
CRICOS	080489G
Duration (full-time)	4 years
Duration (part-time domestic)	8 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: $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.

Bachelor of Science/Bachelor of Information Technology

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, 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
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
IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
(No IT units)	
Year 2, Semester 2	
IT Core Unit Option	
Year 3, Semester 1	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB203	Discrete Structures
CAB301	Algorithms and Complexity
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
Year 5, Semester 1	
CAB302	Software Development
IFB399	Capstone Project (Phase 2)
IT Core Unit Option	
Select one of:	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
(CAB401 or CAB403 can be swapped with Science Core Unit Option in Y4S2.)	

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
- 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	
IAB201	Modelling Techniques for Information Systems
IT Core Unit Option	
Year 2, Semester 2	
IAB207	Rapid Web Application Development
IT Core Unit Option	
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
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

This information is correct as at 30/11/2020. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=SE50&id=35691. CRICOS No.00213J

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IFB104	Building IT Systems
IFB105	Database Management
Year 2, Semester 1	
(No IT units)	
Year 2, Semester 2	
IT Core Unit Option	
Year 3, Semester 1	
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, Semester 2	
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, Semester 1	
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
IT Core Unit Option	
Select one of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting

Semesters

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- 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	
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, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and 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
SEB116	Experimental Science 2
Year 2, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution
Science Major Unit Option	
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the 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 1
- Year 1, Semester 2
- 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	
MXB100	Introductory Calculus and Algebra
Science 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, Semester 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, Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
Semester 2 (July) commencements	
Year 1, Semester 2	

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(No Science units)	
Year 2, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
MXB100	Introductory Calculus and Algebra
Year 3, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, Semester 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, Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
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

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
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	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
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
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
ERB102	Evolving Earth
Science Major Unit Option	
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	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Computer Science major students - Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1.	
Year 5, Semester 1	
Information Systems major students - Select Science Core Unit Option here.	

Semesters

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
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	

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ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
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
SEB116	Experimental Science 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Science Major Unit Option	
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
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

Code	Title
Semester 1 (February) commencements	
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, 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
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, Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
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
SEB116	Experimental Science 2
Year 2, Semester 2	
MXB100	Introductory Calculus and Algebra
PVB101	Physics of the Very Large
PVB102	Physics of the Very Small
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, Semester 2	
PVB303	Nuclear and Particle Physics
PVB304	Physics Research
Computer Science major students - Select Science Core Unit Option here or swap with Computer Science Major Unit Option in Y5S1.	
Year 5, Semester 1	
Information Systems major students - Select Science Core Unit Option here.	

Bachelor of Engineering (Honours)/Bachelor of Information Technology

Year	2020
QUT code	SE60
CRICOS	084923F
Duration (full-time)	5 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: $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 (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: 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 SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

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

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

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

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

Sample Structure

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

Bachelor of Engineering (Honours)/Bachelor of Information Technology

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	
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -	
IT Core Unit Option	
IT Core Unit Option	
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -	
IT Core Unit Option	
CAB201	Programming Principles
Year 2, Semester 2	
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
(Note: Select CAB202 from the Computer Science Major Option list - this is compulsory in the IT component if majoring in these engineering majors.)	
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -	
IT Core Unit Option	
Computer Science Major Unit Option 1	
(Note: CAB202 will be available as core in the engineering component if majoring in these engineering majors.)	
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)
Computer Science Major Unit Option 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	
CAB201	Programming Principles
IT Core Option	
Year 3, Semester 1	
CAB203	Discrete Structures
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -	
CAB202	Microprocessors and Digital Systems
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -	
Computer Science Major Unit Option 1	
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
IT Core Unit Option	
OR	
Computer Science Major Unit Option 2	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 2	
OR	
IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	
Computer Science Major Unit Options	
CAB202	Microprocessors and Digital Systems
(CAB202 is CORE unless your Engineering major is in Computer & Software Systems, Electrical, Electrical & Aerospace or Mechatronics in which you will complete CAB202 in your Engineering component.)	
CAB220	Fundamentals of Data Science
CAB320	Artificial Intelligence
CAB340	Cryptography
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
CAB430	Data and Information Integration
CAB432	Cloud Computing
CAB440	Network and Systems Administration

PLEASE NOTE:

This structure Is ONLY for the combination of IT Computer Science and Engineering Computer & Software Systems Majors.

Semesters

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	
Computer Science Major Unit Option 1	
Computer Science Major Unit Option 2	
CAB201 and CAB202 are core to EN01 Computer Software Systems Major	
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

Bachelor of Engineering (Honours)/Bachelor of Information Technology

IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 3	
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	
Computer Science Major Unit Option 1	
IT Core Unit Option	
Year 3, Semester 1	
CAB203	Discrete Structures
Computer Science Major Unit Option 2	
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
IT Core Unit Option	
OR	
Computer Science Major Unit Option 3	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 3	
OR	
IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	
Computer Science Major Unit Options	
As CAB201 and CAB202 are core to EN01 Computer Software Systems Major, SE60MJR-CSSECS students will undertake two extra Computer Science Major option units in place of CAB201 and CAB202.	
CAB310	Interaction and Experience Design
CAB320	Artificial Intelligence
CAB330	Data and Web Analytics
CAB340	Cryptography
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB420	Machine Learning
CAB430	Data and Information Integration
CAB431	Search Engine Technology
CAB432	Cloud Computing
CAB440	Network and Systems Administration
CAB441	Network Security

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
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
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
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 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
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
- Year 5 - Semester 1
- Year 5 - Semester 2

Code	Title
Semester 1 (February) commencements	

Bachelor of Engineering (Honours)/Bachelor of Information Technology

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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB201	Programming Principles
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
Intermediate 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 - Semester 2	
CAB403	Systems Programming
Intermediate Electrical or Software Option Unit	
Year 5 - Semester 1	
EGH404	Research in Engineering Practice
EGH400-1	Research Project 1
Advanced Electrical or Software Option Unit	
EGH456	Embedded Systems
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH455	Advanced Systems Design
Advanced Electrical Option Unit	
Advanced Software 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 - 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
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
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 - 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	Research Project 2

Bachelor of Engineering (Honours)/Bachelor of Information Technology

-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
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	
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 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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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 - 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	
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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - Semester 2	
EGB210	Fundamentals of Mechanical

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	Design
EGB211	Dynamics
Year 4 - Semester 1	
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - 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
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 - 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 - 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 - 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	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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 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
OP	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 English Language Testing System)	
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

Domestic Course structure

Students are required to complete 384 credit points comprised of 192 credit points from the Bachelor of Games and Interactive Environment program and 192 credit points from the Bachelor of Mathematics program.

Games and Interactive Environments component:

- 6 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 real-world 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*

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 real-world 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
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
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

Semesters

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

Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
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	Game Design in Different 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, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
IGB283	Game Engine Theory and Application
Year 3, Semester 1	
CAB301	Algorithms and Complexity
BGIE Core Unit Option	
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	AI for Games
Year 4, Semester 2	
IGB301	Capstone Project (Game Development)
IGB400	Game Studio 3: Game Innovation

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

Bachelor of Games and Interactive Environments/Bachelor of Mathematics

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 1	
MXB201	Advanced Linear Algebra
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
MXB161	Computational Explorations
Year 2 Semester 1	
MXB101	Probability and Stochastic Modelling 1
Maths Core Options Unit	
Year 2 Semester 2	
MXB103	Introductory Computational Mathematics
MXB107	Introduction to Statistical Modelling
Year 3 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
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 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

Bachelor of Engineering (Honours)/Bachelor of Science

Year	2020
QUT code	SE80
CRICOS	084924E
Duration (full-time)	5 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: $41,800 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

Bachelor of Engineering (Honours)/Bachelor of 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	
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 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
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 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, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

Semesters

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
SEB113	Quantitative Methods in Science
Year 2 Semester 2	
CVB210	Chemical Measurement Science
Science Core Unit Option	
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 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 Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
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 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, Semester 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, Semester 2	
CVB210	Chemical Measurement Science
CVB303	Coordination Chemistry
Year 5, Semester 1	
CVB304	Chemistry Research Project
Science Core Unit Option	

Semesters

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	

Bachelor of Engineering (Honours)/Bachelor of Science

ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 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	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
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 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	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
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 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 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, 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 2
- 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	
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	

Bachelor of Engineering (Honours)/Bachelor of Science

PQB360	Global Energy Balance and Climate Change
PVB210	Stellar Astrophysics
Year 3 Semester 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
Semester 2 (July) commencements	
Year 1, Semester 2	
PVB102	Physics of the Very Small
SEB104	Grand Challenges in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
PVB200	Computational and Mathematical Physics
SEB113	Quantitative Methods in Science
Year 3, Semester 1	
PVB203	Experimental Physics
PVB210	Stellar Astrophysics
Year 3, Semester 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
Year 5, Semester 1	
PQB360	Global Energy Balance and Climate Change
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
- 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 - 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
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
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 - 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

Bachelor of Engineering (Honours)/Bachelor of 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
- 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 - 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	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 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
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 - 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	
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 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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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	

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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
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	
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	
EGB120	Foundations of Electrical 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 - 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
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 - 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 - 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 - 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	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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	

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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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 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 Science/Bachelor of Games and Interactive Environments

Year	2020
QUT code	SE90
CRICOS	092649G
Duration (full-time)	4 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: $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 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

Bachelor of Science/Bachelor of Games and Interactive Environments

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	
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 Semester 2	
BVB201	Biological Processes
BVB204	Ecology
Year 4 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology

Semesters

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

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and Algebra
Science Core Unit Option	
Year 2 Semester 1	
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 Semester 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 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

Code	Title
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
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	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics

Semesters

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

Code	Title
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
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 Environmental Science

Semesters

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

Code	Title
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
MXB100	Introductory Calculus and 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 Semester 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	
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
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
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

Semesters

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

Code	Title
Year 1, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
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	Game Design in Different 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, Semester 1	
IGB180	Computer Games Studies
IGB181	Game Production and Technology
Year 1, Semester 2	
IFB103	IT Systems Design
IFB104	Building IT Systems
Year 2, Semester 1	
IGB100	Game Studio 1: Mini-Game Development
BGIE Core Unit Option	
Year 2, Semester 2	
CAB201	Programming Principles
IGB283	Game Engine Theory and Application
Year 3, Semester 1	
CAB301	Algorithms and Complexity
BGIE Core Unit Option	
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	AI for Games
Year 4, Semester 2	
IGB301	Capstone Project (Game Development)
IGB400	Game Studio 3: Game Innovation

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 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 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:

• Civil
• 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.

Sample Structure

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and

	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
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	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

Sample Structure

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

Code	Title
Year 2, Semester 1	
EGB261	Unit Operations
EGB262	Process Principles
EGB323	Fluid Mechanics
2nd Major/Minor Unit	
Year 2, Semester 2	
CVB101	General Chemistry
EGB322	Thermodynamics
2nd Major/Minor Unit	
2nd Major/Minor Unit	
Year 3, Semester 1	
EGB361	Minerals and Minerals Processing
EGB362	Operations Management and Process Economics
2nd Major/Minor Unit	
2nd Major/Minor Unit	
Year 3, Semester 2	
EGB364	Process Modelling
EGH404	Research in Engineering Practice
EGH411	Industrial Chemistry
EGH422	Advanced Thermodynamics
Year 4, Semester 1	
EGH400-1	Research Project 1
EGH463	Plant and Process Design
2nd Major/Minor Unit	
2nd Major/Minor Unit	
Year 4, Semester 2	
EGH400-2	Research Project 2
EGH423	Fluids Dynamics
EGH462	Process Control
2nd Major/Minor Unit	

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
- 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(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.

Sample Structure

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and 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	

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

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

Code	Title
Year 2, Semester 1	
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 2, Semester 2	
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 3, Semester 1	
EGB375	Design of Concrete Structures
EGH473	Advanced Geotechnical Engineering
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 2	
EGH404	Research in Engineering Practice
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
2nd Major/Minor unit	
Year 4, Semester 1	
EGH400-1	Research Project 1
2nd Major/Minor unit	
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 4, Semester 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 Coordinator	SEF Enquiries - email: sef.enquiry@qut.edu.au; ph: +61 7 3138 8822
Discipline 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

Sample Structure

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	

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

Code	Title
Year 2, Semester 1	
CAB201	Programming Principles
EGB242	Signal Analysis
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 2, Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Unit Option	
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 1	
CAB301	Algorithms and Complexity
CAB302	Software Development
EGB240	Electronic Design
2nd Major/Minor unit	
Year 3, Semester 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	
2nd Major/Minor unit	
Year 4, Semester 2	
EGH400-2	Research Project 2
EGH455	Advanced Systems Design
Advanced Electrical or Software Unit Option	
2nd Major/Minor unit	

Bachelor of Engineering (Honours) (Electrical and Aerospace)

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	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

Sample Structure

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and 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	

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

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

Bachelor of Engineering (Honours) (Electrical)

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	Dr Jacob Coetzee 3138 2865 jacob.coetzee@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)(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

Sample Structure

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

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]	
EGH404	Research in Engineering Practice
Year 4, Semester 1	
EGH400-1	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
Advanced Electrical Option Unit[5]	
2nd Major/Minor unit[7]	
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 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
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	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

Sample Structure

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	

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

Code	Title
Year 2, Semester 1	
EGB211	Dynamics
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
EGB323	Fluid Mechanics
Year 2, Semester 2	
EGB210	Fundamentals of Mechanical Design
EGB322	Thermodynamics
2nd Major/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	
Year 3, Semester 2	
EGH404	Research in Engineering Practice
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
2nd Major/Minor unit option	
Year 4, Semester 1	
EGH400-1	Research Project 1
EGH421	Vibration and Control
2nd Major/Minor unit option	
2nd Major/Minor unit option	
Year 4, Semester 2	
EGH400-2	Research Project 2
EGH420	Mechanical Systems Design
2nd Major/Minor unit option	
2nd Major/Minor unit option	

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 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

Sample Structure

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

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 Major/Minor unit	
EGB320	Mechatronics Design 2
2nd Major/Minor unit	
Intermediate Electrical Unit Option OR 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 Major/Minor unit	
Year 3, Semester 2	
EGH404	Research in Engineering Practice
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, Semester 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, 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
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 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

Sample Structure

Code	Title
Year 1 - Semester 1	
EGB100	Engineering Sustainability and 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	

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

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

Bachelor of Design (Industrial Design)/Bachelor of Engineering (Honours)

Year	2020
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
OP	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) CI: +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 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 (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

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 (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)/Bachelor of Engineering (Honours)

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

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 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, Semester 1	
DNB210	ID Studio 3: Interaction and Experience
DNB211	ID Studio 4: Manufacturing Technology
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	
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 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	

Bachelor of Design (Industrial Design)/Bachelor of Engineering (Honours)

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
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	
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
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
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 - 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
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	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	

Bachelor of Design (Industrial Design)/Bachelor of Engineering (Honours)

EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 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
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 - 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	
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 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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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 - 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	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice

Bachelor of Design (Industrial Design)/Bachelor of Engineering (Honours)

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	
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 - 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
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 - 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 - 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 - 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	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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 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 Design (Interaction Design)/Bachelor of Engineering (Honours)

Year	2020
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
OP	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 Devakar Epari (Medical) CI: +61 7 3138 2000; SEF: +61 7 3138 8822 askqut@qut.edu.au (Interaction 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 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

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

Sample Structure

Semesters

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	
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	
DXB311	Advanced Interaction Design 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 Design 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	
DXB110	Principles of Interaction 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	
DXB311	Advanced Interaction Design 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	

Bachelor of Design (Interaction Design)/Bachelor of Engineering (Honours)

Engineering Unit
Engineering Unit

Semesters

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	
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
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

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	
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

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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - Semester 2	

Bachelor of Design (Interaction Design)/Bachelor of Engineering (Honours)

CAB403	Systems Programming
EGH404	Research in Engineering 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	
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 - 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	
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 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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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 - 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	
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

Bachelor of Design (Interaction Design)/Bachelor of Engineering (Honours)

EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical 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 - 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
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 - 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 - 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 - 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	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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 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 Design (Landscape Architecture)/Bachelor of Engineering (Honours)

Year	2020
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
OP	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 8822 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

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 (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 Architecture)/Bachelor of Engineering (Honours)

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

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	
DYB113	Create and Represent: 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 Studio
Engineering Unit	
Engineering Unit	
Year 3, Semester 2	
DLB204	Planting Design
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	
DLB302	Landscape Materiality and Constructs
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	
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	
Engineering 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
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	
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
Engineering Unit	
Engineering Unit	
Year 4, Semester 2	
DLB302	Landscape Materiality and 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	

This information is correct as at 30/11/2020. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=ID14&id=35566. CRICOS No.00213J

Bachelor of Design (Landscape Architecture)/Bachelor of Engineering (Honours)

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 - 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	
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
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
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 - 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
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	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	

Bachelor of Design (Landscape Architecture)/Bachelor of Engineering (Honours)

CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 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
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 - 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	
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 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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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 - 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	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	

Bachelor of Design (Landscape Architecture)/Bachelor of Engineering (Honours)

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	
EGB120	Foundations of Electrical 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 - 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
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 - 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 - 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 - 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	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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 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 Design (Architecture)/Bachelor of Urban Development (Honours) (Construction Management)

Year	2020
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
OP	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 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 (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

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

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

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, Semester 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
Year 2, Semester 2	
DAB102	Architectural Design 2: Spaces
DYB102	Impact Lab 2: People
UXB113	Measurement for Construction
UXB114	Integrated Construction
Year 3, Semester 1	
DAB200	Modern Architecture
DAB201	Architectural Design 3: Dwelling
UXB210	Commercial Construction
UXB213	Advanced Measurement for Construction
Year 3, Semester 2	
DAB202	Architectural Design 4: Metro
DAB303	Integrated Architectural Technology
LWS012	Urban Development Law
UXB212	Design for Structures
Year 4, Semester 1	
DAB301	Architectural Design 5: Commercial
DYB201	Impact Lab 3: Planet
UXB211	Building Services
UXH310	High-rise Construction
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 2	
DAB302	Architectural Design 6: Communities
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
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: Materials
UXB111	Imagine Construction Management
UXB112	Introduction to Structures
Year 2, Semester 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, Semester 2	
DAB102	Architectural Design 2: Spaces
DYB114	Spatial Histories
UXB113	Measurement for Construction
UXB114	Integrated Construction
Year 3, Semester 1	
DAB201	Architectural Design 3: Dwelling
DYB112	Spatial Materiality
BSB113	Economics
UXB115	Introduction to Modern Construction Business
Year 3, Semester 2	
DAB202	Architectural Design 4: Metro
DYB102	Impact Lab 2: People
LWS012	Urban Development Law
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	
DAB302	Architectural Design 6: Communities
DAB303	Integrated Architectural Technology
UXB301	Professional Practice

UXH300	Research Methods for the Future Built Environment
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
UXB211	Building Services
UXH310	High-rise Construction
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	
UXH312	Construction Legislation
UXH315	Construction Estimating
UXH400-1	Project - Part A
UXH410	Strategic Construction Management
Year 6, Semester 1	
USB300	Property Development
UXH311	Contract Administration
UXH400-2	Project - Part B
UXH411	Programming and Scheduling

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

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 (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.

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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

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

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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

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, Semester 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 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	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: Materials
UXB111	Imagine Construction Management
UXB112	Introduction to Structures
Year 2, Semester 1	
DTB101	Interior Studio 1
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, Semester 2	
DTB102	Interior Studio 2
DYB114	Spatial Histories
UXB113	Measurement for Construction
UXB114	Integrated Construction
Year 3, Semester 1	
DYB102	Impact Lab 2: People
DYB112	Spatial Materiality
BSB113	Economics
UXB115	Introduction to Modern Construction Business
Year 3, Semester 2	
DTB205	Design Psychology
DYB201	Impact Lab 3: Planet
LWS012	Urban Development Law
UXB212	Design for Structures
Year 4, Semester 1	
DTB200	Interior Access and Assemblies
DTB204	Interior Studio 3
UXB210	Commercial Construction
UXB213	Advanced Measurement for Construction
Year 4, Semester 2	
DTB305	Interior Studio: Integration
DTB306	Interior Systems
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment
Year 5, 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 5, Semester 2	
UXH312	Construction Legislation
UXH315	Construction Estimating
UXH400	Project - Part A

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

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

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	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 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 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 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

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

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
UXB131	Planning and Design Practice
UXB132	Urban Analysis
Year 1, Semester 2	
DYB113	Create and Represent: 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
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	
USB300	Property Development
UXH400-1	Project - Part A
UXH430	Planning Theory and Ethics
UXH431	Urban Planning Practice
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
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
UXB130	History of the Built Environment
Year 3, Semester 2	
DLB204	Planting Design
DYB201	Impact Lab 3: Planet
UXB230	Site Planning
UXB234	Transport Planning
Year 4, Semester 1	
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
UXB231	Stakeholder Engagement
UXB233	Planning Law
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	
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
UXH400-1	Project - Part A
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

Bachelor of Design (Architecture)/Bachelor of Engineering (Honours)

Year	2020
QUT code	ID19
CRICOS	096574A
Duration (full-time)	5.5 years
OP	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.

Bachelor of Design (Architecture)/Bachelor of Engineering (Honours)

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

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	
DYB113	Create and Represent: 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	
DAB101	Architectural Design 1: Explorations
DYB112	Spatial Materiality
Engineering Unit	
Engineering Unit	
Year 2, Semester 2	
DAB102	Architectural Design 2: Spaces
DAB303	Integrated Architectural 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	
DAB200	Modern Architecture
DAB301	Architectural Design 5: Commercial
Engineering Unit	
Engineering Unit	
Year 5, Semester 2	
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
DYB113	Create and Represent: 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	
DAB101	Architectural Design 1: Explorations
DAB200	Modern Architecture
Engineering Unit	
Engineering Unit	
Year 3, Semester 2	
DAB102	Architectural Design 2: Spaces
DYB201	Impact Lab 3: Planet
Engineering Unit	
Engineering Unit	
Year 4, Semester 1	
DAB201	Architectural Design 3: Dwelling
DAB211	Environmental Principles of Architectural Design
Engineering Unit	

Bachelor of Design (Architecture)/Bachelor of Engineering (Honours)

Engineering Unit	
Year 4, Semester 2	
DAB202	Architectural Design 4: Metro
DAB212	Small Scale Building Construction
Engineering Unit	
Engineering Unit	
Year 5, Semester 1	
DAB301	Architectural Design 5: Commercial
DAB311	Systems and Structures
Engineering Unit	
Engineering Unit	
Year 5, Semester 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, Semester 1	
Engineering Unit	
Engineering Unit	
Engineering Unit	
Engineering Unit	
Year 6, Semester 2	
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 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	
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
Year 5 - Semester 1	
EGB362	Operations Management and Process Economics
EGH404	Research in Engineering Practice
Year 5 - Semester 2	
EGH400-1	Research Project 1
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control
Year 6 - Semester 1	
EGH400-2	Research Project 2
EGH463	Plant and Process Design
Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large

Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering 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	
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - Semester 1	
EGB262	Process Principles
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB364	Process Modelling
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB261	Unit Operations
EGB361	Minerals and Minerals Processing
Year 5 - Semester 2	
Other Faculty Unit	
Other Faculty Unit	
Other Faculty Unit	
Other Faculty Unit	
Year 6 - Semester 1	
EGB362	Operations Management and Process Economics
EGH463	Plant and Process Design
EGH408	Research Project
Year 6 - 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

Bachelor of Design (Architecture)/Bachelor of Engineering (Honours)

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	
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
EGH404	Research in Engineering Practice
Year 5 - Semester 2	
EGH400-1	Research Project 1
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice
Year 6 - Semester 1	
EGH473	Advanced Geotechnical Engineering
EGH400-2	Research Project 2
Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 2 - Semester 2	
EGB123	Civil Engineering Systems
MZB126	Engineering Computation
Year 3 - Semester 1	
EGB121	Engineering Mechanics
Foundation Unit Option	
Year 3 - Semester 2	
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4 - Semester 1	
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 4 - Semester 2	
EGB376	Steel Design
EGH472	Advanced Highway and Pavement Engineering
Year 5 - Semester 1	
EGB275	Structural Mechanics
EGB375	Design of Concrete Structures
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - Semester 1	
EGB371	Engineering Hydraulics
EGH404	Research in Engineering Practice
EGH400-1	Research Project 1
EGH473	Advanced Geotechnical Engineering
Year 6 - Semester 2	
EGH400-2	Research Project 2
EGH471	Advanced Water Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

Semesters

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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - Semester 2	
CAB403	Systems Programming
EGH404	Research in Engineering Practice

Bachelor of Design (Architecture)/Bachelor of Engineering (Honours)

Year 5 - Semester 1	
CAB302	Software Development
Advanced Computer & Software Systems Option Unit	
Year 5 - Semester 2	
EGH400 -1	Research Project 1
EGH455	Advanced Systems Design
CAB432	Cloud Computing
Advanced Computer & Software Systems Option Unit	
Year 6 - Semester 1	
EGH400 -2	Research Project 2
EGH456	Embedded Systems
Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
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	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 4 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 4 - Semester 2	
CAB403	Systems Programming
Intermediate Electrical Option Unit	
Year 5 - Semester 1	
EGH404	Research in Engineering Practice
CAB301	Algorithms and Complexity
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - Semester 1	
EGH400 -1	Research Project 1
EGH456	Embedded Systems
CAB302	Software Development
Advanced Computer & Software Systems Option Unit	
Year 6 - Semester 2	
EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
CAB432	Cloud Computing
Advanced Computer & Software Systems Option Unit	

Semesters

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	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering 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	

Bachelor of Design (Architecture)/Bachelor of Engineering (Honours)

Intermediate Electrical Option Unit (1)	
Intermediate Electrical Option Unit (2)	
Year 5 - Semester 1	
EGB340	Design and Practice
Intermediate Electrical Option Unit (3)	
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - 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 Electrical Option Unit (3)	
Advanced Electrical Option Unit (4)	
Advanced Electrical Option Unit (5)	

Semesters

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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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 - Semester 1	
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Year 5 - Semester 2	
EGH400-1	Research Project 1
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced Electrical Option Unit	
Year 6 - Semester 1	
EGH400-2	Research Project 2
Advanced Electrical Option Unit	
Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
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
EGB243	Aircraft Systems and Flight
Year 4 - Semester 2	
EGB346	Unmanned Aircraft Systems
Intermediate Electrical Option Unit	
Year 5 - Semester 1	
EGB349	Systems Engineering and Design Project
EGB345	Control and Dynamic Systems
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced Electrical Option Unit	
Year 6 - Semester 2	
EGH400-2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced Electrical Option Unit	

Semesters

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

Bachelor of Design (Architecture)/Bachelor of Engineering (Honours)

	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	
EGB120	Foundations of Electrical 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 - Semester 2	
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB316	Design of Machine Elements
EGH414	Stress Analysis
Year 5 - Semester 2	
EGH400-1	Research Project 1
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
Year 6 - Semester 1	
EGH400-2	Research Project 2
EGH421	Vibration and Control
Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
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	
EGB211	Dynamics
EGB314	Strength of Materials
Year 4 - Semester 1	
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGB322	Thermodynamics
Year 5 - Semester 1	
EGB321	Dynamics of Machines
EGH404	Research in Engineering Practice
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - Semester 1	
EGB316	Design of Machine Elements
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 6 - Semester 2	
EGH400-2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

Semesters

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	
EGB120	Foundations of Electrical 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 - Semester 2	
EGB320	Mechatronics Design 2
Intermediate Electrical Option Unit	
Year 5 - 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
Advanced Electrical Option Unit	
Year 6 - Semester 1	
EGH400-2	Research Project 2
EGH419	Mechatronics Design 3
Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - Semester 1	
EGB111	Foundation of Engineering

Bachelor of Design (Architecture)/Bachelor of Engineering (Honours)

	Design
MZB125	Introductory Engineering 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	
EGB211	Dynamics
EGB220	Mechatronics Design 1
Year 4 - Semester 2	
EGB320	Mechatronics Design 2
EGB345	Control and Dynamic Systems
Year 5 - Semester 1	
EGB321	Dynamics of Machines
Intermediate Electrical Option Unit	
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - Semester 1	
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH446	Autonomous Systems
Year 6 - Semester 2	
EGH400-2	Research Project 2
EGH445	Modern Control
EGH413	Advanced Dynamics
Advanced Electrical Option Unit	

Semesters

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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
LSB131	Anatomy
EGB314	Strength of Materials
Year 3 - Semester 2	
LSB231	Physiology
EGB210	Fundamentals of Mechanical Design
Year 4 - Semester 1	
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - Semester 2	
EGB211	Dynamics
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB319	BioDesign
EGH414	Stress Analysis
Year 5 - Semester 2	
EGH400-1	Research Project 1
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH418	Biomechanics
Year 6 - Semester 1	
EGH400-2	Research Project 2
EGH438	Biomaterials

Semester 2 (July) commencements	
Year 1 - Semester 2	
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - Semester 1	
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
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	
EGB211	Dynamics
LSB231	Physiology
Year 4 - Semester 1	
EGB323	Fluid Mechanics
LSB131	Anatomy
Year 4 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGB314	Strength of Materials
Year 5 - Semester 1	
EGB319	BioDesign
EGH414	Stress Analysis
Year 5 - Semester 2	
(No Engineering Units)	
Year 6 - Semester 1	
EGH400-1	Research Project 1
EGB214	Materials and Manufacturing
EGH404	Research in Engineering Practice
EGH438	Biomaterials
Year 6 - Semester 2	
EGH400-2	Research Project 2
EGH418	Biomechanics
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers

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 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.

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 analytic 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, Semester 1	
INN700	Introduction to Research
Students must have secured a supervisor prior to enrolment.	
INN701	Advanced Research Topics
IFN403-1	IT Honours Research Project-1
Coursework Option from List (12cp)	
Year 1, Semester 2	
IFN403-2	IT Honours Research Project-2
IFN403-3	IT Honours Research Project-3
IFN403-4	IT Honours Research Project-4
Coursework Option from List (12cp)	
IN10 Coursework Options List	
Select 24 credit points from the Coursework Options List	
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
CAB430	Data and Information Integration
CAB431	Search Engine Technology
CAB432	Cloud Computing
CAB440	Network and Systems Administration
CAB441	Network Security
IAB401	Enterprise Architecture
IAB402	Information Systems Consulting
IAB352	Enterprise Systems Management
IFN515	Fundamentals of Business Process Management
IFN619	Data Analytics for Strategic Decision Makers
IFN621	Information Science: What & Why?
IFN623	Human Information Interaction and Retrieval
IFN644	Network Operations and Security
IFN645	Large Scale Data Mining
IFN652	Enterprise Business Process Management
IFN657	Principles of Software Security
IFN662	Enterprise Systems and Applications
IFN666	Web and Mobile Application Development
IFN667	Enterprise IoT Systems
IFN680	Artificial Intelligence and Machine Learning
IFN690	Advanced User Centred Design
IGB321	Immersive Game Level Design
IGB383	AI for Games
SEB410	Advanced Topic 1
SEB411	Advanced Topic 2
PLEASE NOTE:	
The following units which have been discontinued will count as coursework options if completed:	
IFN643 Computer System Security (disc 31/12/2019)	
IFN641 Advanced Networks Management (disc 31/12/2019)	
IFN660 Programming Language Theory (disc 31/12/2019)	
IFN661 Mobile and Pervasive Systems (disc 31/12/2019)	

Bachelor of Business/Bachelor of Engineering (Honours)

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

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

Bachelor of Business/Bachelor of Engineering (Honours)

	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	
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
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
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 - 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
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	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 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
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

Bachelor of Business/Bachelor of Engineering (Honours)

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	
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

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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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 - 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

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	
EGB120	Foundations of Electrical 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 - Semester 2	
EGB322	Thermodynamics
EGH404	Research in Engineering Practice

Bachelor of Business/Bachelor of Engineering (Honours)

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
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 - 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 - 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 - 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	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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 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

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 Semester 2	
BSB111	Business Law and Ethics
BSB123	Data Analysis
Year 2 Semester 1	
AYB200	Financial Accounting
AYB225	Management Accounting
Year 2 Semester 2	
AYB221	Accounting Systems and Analytics
BSB113	Economics
Year 3 Semester 1	
EFB210	Finance 1
BSB399	Real World Ready - Business Capstone
Year 3 Semester 2	
AYB321	Strategic Management Accounting
AYB340	Company Accounting
Year 4 Semester 1	
AYB219	Taxation Law
AYB230	Corporations Law
Year 4 Semester 2	
AYB301	Audit and Assurance
AYB311	Financial Accounting Issues

Bachelor of Business/Bachelor of Engineering (Honours)

Semesters

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	
AMB220	Advertising Theory and Practice
BSB115	Management
Year 2 Semester 2	
AMB200	Consumer Behaviour
AMB201	Marketing and Audience 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
BSB399	Real World Ready - Business 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
AMB220	Advertising Theory and Practice
Year 3, Semester 1	
AMB201	Marketing and Audience 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
BSB399	Real World Ready - Business Capstone

Semesters

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	
BSB399	Real World Ready - Business Capstone
Choose an elective from the Applied Economics or Quantitative Economics Unit Option lists	
Year 4 Semester 2	
EFB338	Contemporary Application of 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	
EFB338	Contemporary Application of Economic Theory
Economics Option Unit	
Year 5, Semester 1	
BSB126	Marketing
BSB399	Real World Ready - Business Capstone
Applied Economics Unit Options	
EFB201	Financial Markets
EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB336	International Economics
Quantitative Economics Unit Options	
EFB222	Introduction to Applied

Bachelor of Business/Bachelor of Engineering (Honours)

	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 Semester 1	
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
EFB344	Risk Management and Derivatives
Year 4 Semester 1	
BSB399	Real World Ready - Business 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
EFB344	Risk Management and Derivatives
Year 4, Semester 2	
BSB399	Real World Ready - Business 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) 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 1	
AYB250	Personal Financial Planning
BSB115	Management
Year 3 Semester 2	
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4 Semester 1	
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4 Semester 2	
BSB399	Real World Ready - Business Capstone
AYB346	Financial Plan Construction (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	
MGB227	Entrepreneurship
AYB219	Taxation Law
Year 2 Semester 2	
BSB126	Marketing
AYB250	Personal Financial Planning
Year 3 Semester 1	
AYB240	Superannuation and Retirement Planning
BSB115	Management
Year 3 Semester 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

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

Bachelor of Business/Bachelor of Engineering (Honours)

- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Year 1 Semester 1	
BSB113	Economics
BSB115	Management
Year 1 Semester 2	
BSB111	Business Law and Ethics
BSB119	Global Business
Year 2 Semester 1	
MGB200	Managing People
BSB123	Data Analysis
Year 2 Semester 2	
MGB214	Introducing People Management and Analytics
BSB110	Accounting
Year 3 Semester 1	
MGB229	Obligations and Options for Employing People
MGB230	Recruiting and Selecting People
Year 3 Semester 2	
MGB331	Developing People
BSB126	Marketing
Year 4 Semester 1	
MGB339	Managing Performance and Rewards
MGB372	Creating Value through People
Year 4 Semester 2	
BSB399	Real World Ready - Business Capstone
Choose one of the following	
MGB306	Independent Study
MGB310	Managing Sustainable Change
MGB338	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	
BSB113	Economics
BSB115	Management
Year 1 Semester 2	
BSB111	Business Law and Ethics
BSB119	Global Business
Year 2 Semester 1	
BSB123	Data Analysis
MGB200	Managing People
Year 2 Semester 2	
MGB214	Introducing People Management and Analytics
BSB110	Accounting
In 2019, unit MGB207 Human Resource Issues and Strategy is replaced by MGB214.	
Year 3 Semester 1	
MGB220	Human Resource Decision Making
MGB331	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	
MGB229	Obligations and Options for 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
MGB339	Managing Performance and Rewards
Year 4 Semester 2	
MGB230	Recruiting and Selecting People
MGB372	Creating Value through People
In 2019, unit 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
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	
BSB113	Economics
MGB225	Intercultural Communication and Negotiation Skills
Year 2 Semester 2	
BSB111	Business Law and Ethics
BSB123	Data Analysis
Year 3 Semester 1	
MGB340	International Business in the Asia-Pacific
AYB227	International Accounting
Year 3 Semester 2	
AMB210	Importing and Exporting
EFB240	Finance for International Business
Year 4 Semester 1	
AMB303	International Logistics
AMB336	International Marketing
Year 4 Semester 2	
AMB369	International Business Strategy
BSB399	Real World Ready - Business Capstone
Semester 2 (July) commencement	
Year 1, Semester 2	
BSB119	Global Business
BSB126	Marketing
Year 2, Semester 1	
BSB110	Accounting
BSB123	Data Analysis
Year 2, Semester 2	
BSB113	Economics
BSB115	Management
Year 3, Semester 1	
AYB227	International Accounting
MGB225	Intercultural Communication and Negotiation Skills
Year 3, Semester 2	
AMB210	Importing and Exporting
EFB240	Finance for International Business
Year 4, Semester 1	
AMB303	International Logistics
AMB336	International Marketing

Bachelor of Business/Bachelor of Engineering (Honours)

Year 4, Semester 2	
MGB340	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

Code	Title
Semester 1 (February) commencment	
Year 1 Semester 1	
BSB113	Economics
BSB115	Management
Year 1 Semester 2	
BSB111	Business Law and Ethics
BSB126	Marketing
Year 2 Semester 1	
BSB110	Accounting
BSB119	Global Business
Year 2 Semester 2	
MGB200	Managing People
BSB123	Data Analysis
Year 3 Semester 1	
MGB226	Innovation, Knowledge and Creativity
If you are completing the Management stream:	
MGB210	Managing Operations
If you are completing the Entrepreneurship stream:	
MGB201	Contemporary Employment Relations
Year 3 Semester 2	
MGB225	Intercultural Communication and Negotiation Skills
MGB335	Managing Projects
MGB324	Managing Business Growth
Year 4 Semester 1	
BSB399	Real World Ready - Business Capstone
MGB341	Managing Risk
Year 4 Semester 2	
MGB309	Managing Strategically
MGB310	Managing Sustainable Change
MGB338	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
BSB110	Accounting
Year 3, Semester 1	
MGB200	Managing People
MGB225	Intercultural Communication and Negotiation Skills
Year 3, Semester 2	
MGB226	Innovation, Knowledge and Creativity
BSB123	Data Analysis
Year 4, Semester 1	
MGB341	Managing Risk
If you are completing a management stream:	
MGB210	Managing Operations
If you are completing an entrepreneurship stream:	
MGB201	Contemporary Employment Relations
Year 4, Semester 2	
MGB309	Managing Strategically
If you are completing a management stream:	
MGB335	Managing Projects
If you are completing an entrepreneurship stream:	
MGB324	Managing Business Growth
Year 5, Semester 1	
BSB399	Real World Ready - Business Capstone
Choose one of the following:	
MGB310	Managing Sustainable Change
MGB338	Workplace Learning

Semesters

Code	Title
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	
AMB201	Marketing and Audience Analytics
AMB200	Consumer Behaviour
Year 3 Semester 1	
AMB202	Integrated Marketing Communication
AMB240	Marketing Planning and Management
Year 3 Semester 2	
BSB110	Accounting
AMB336	International Marketing
Year 4 Semester 1	
AMB330	Digital Portfolio
AMB340	Services Marketing
Year 4 Semester 2	
BSB399	Real World Ready - Business Capstone
AMB359	Strategic Marketing
Semester 2 (July) commencement	

Bachelor of Business/Bachelor of Engineering (Honours)

Year 1, Semester 2	
BSB113	Economics
BSB126	Marketing
Year 2, Semester 1	
BSB111	Business Law and Ethics
BSB123	Data Analysis
Year 2, Semester 2	
BSB110	Accounting
AMB200	Consumer Behaviour
Year 3, Semester 1	
AMB201	Marketing and Audience Analytics
AMB240	Marketing Planning and Management
Year 3, Semester 2	
AMB202	Integrated Marketing Communication
BSB119	Global Business
Year 4, Semester 1	
AMB330	Digital Portfolio
AMB340	Services Marketing
Year 4, Semester 2	
BSB115	Management
AMB336	International Marketing
Year 5, Semester 1	
BSB399	Real World Ready - Business Capstone
AMB359	Strategic Marketing

Semesters

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 Relations
AMB264	Public Relations Techniques
Year 2 Semester 2	
AMB201	Marketing and Audience Analytics
BSB111	Business Law and Ethics
Year 3 Semester 1	
AMB373	Issues, Stakeholders and Reputation
AMB372	Public Relations Planning
Year 3 Semester 2	
BSB113	Economics
BSB123	Data Analysis
Year 4 Semester 1	
AMB374	Global Public Relations Cases
BSB399	Real World Ready - Business Capstone
Year 4 Semester 2	
AMB375	Internal Communication and Change
AMB379	Public Relations Campaigns
Semester 2 (July) commencement	
Year 1, Semester 2	
BSB119	Global Business
BSB126	Marketing
Year 2, Semester 1	
BSB110	Accounting
BSB123	Data Analysis
Year 2, Semester 2	
BSB113	Economics
AMB201	Marketing and Audience Analytics
Year 3, Semester 1	
AMB263	Introduction to Public Relations
AMB264	Public Relations Techniques
Year 3, Semester 2	
AMB372	Public Relations Planning
BSB115	Management
Year 4, Semester 1	
AMB373	Issues, Stakeholders and Reputation
AMB374	Global Public Relations Cases
Year 4, Semeter 2	
AMB375	Internal Communication and Change
AMB379	Public Relations Campaigns
Year 5, Semester 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
OP	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.au
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.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)

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

Course Structure Information

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component students will complete 336 credit points of core units and a mixture of Introductory, General and Advanced Electives. Students may select up to 48 credit points of non-law electives or 48 credit points of a University-wide minor in place of four of the General Electives. Successful completion of a minor will be recognised on the Academic Record and / or the Australian Higher Education Graduation Statement.

Total Law credit points: 336
Total credit points for core units: 240
Total credit points for elective units: 96
Honours Level Units

96 credit points of Honours units listed below will be used to determine the Honours Levels of the LLB (Hons):
LLH201 Legal Research,
LLH206 Administrative Law,
LLH302 Ethics and the Legal Profession,
LLH305 Corporate Law,
LLH401 Legal Research Capstone (24 cps) and
two Advanced Electives in law.

Professional Recognition

The QUT LLB (Hons) is an approved degree for the purposes of the Legal Practitioners Admission Rules. Accordingly, it enables graduates to satisfy the academic requirements for admission to practise as a solicitor and/or barrister in all Australian states and territories.
Graduates will satisfy the requirements for membership in the relevant professional body for their science major.

Admission to practice

If, at the end of your degree, you wish to become a legal practitioner, you will need to complete further practical legal training (PLT). QUT also offers PLT in the form of the Graduate Diploma in Legal Practice.

Career Outcomes

As a graduate, you may enter legal practice with an education in both the content and process of science and data analysis that will enable you to deal with the complexities of litigation that have a scientific and technological dimension, such as inventions, trade secrets, quantitative evidence, and constitutional disputes giving rise to environmental issues. On the other hand, you may choose to follow a career path in the sciences, enhancing your opportunities in a particular discipline such as environmental science or biotechnology

through your knowledge of the law.

You will graduate with specialised knowledge of cutting-edge technologies and extensive practical experience using the latest techniques. You have a broad range of options to choose from and the flexibility to create your own personal science degree program.

In developing the LLB (Hons) the Faculty recognises that graduates are increasingly seeking a broad range of careers including, but not limited to, legal practice. The defining nature of the QUT LLB (Hons) is its real-world applied nature which will equip you with advanced knowledge and research and other skills and that meet the needs of not only the legal profession, but also government, community organisations, business and industry.

The LLB (Hons) provides students with an opportunity to advance their knowledge of law in specialised areas through the elective units offered as part of the course. The elective units allow you to study areas of the law that match your career aspirations.
Career opportunities include working in general legal practice, specialist legal practice, government departments and employment in private enterprise.

Non-standard attendance

Field work is a requirement in some areas of science.

Deferment

Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more at deferment

Domestic Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science (ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Science program and 336 credit points for the Bachelor of Laws program. You will study science and law units in your first four years and for the remainder of this course you will concentrate on law studies.

Under the Science component students will complete 16 units in total. Students will choose any of the following science majors that are offered in the Bachelor of Science.(ST01) course: biology, chemistry, earth science, environmental science and physics.

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- 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	

Bachelor of Science/Bachelor of Laws (Honours)

LLB101	Introduction to Law
LLB102	Torts
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1 Semester 2	
LLB106	Criminal Law
LLB107	Statutory Interpretation
Science Core Unit Option	
Science Major Option Unit (for Biology, Earth Science, Environmental Science) or MXB100 (Chemistry and Physics)	
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication	
Year 2 Semester 1	
LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2 Semester 2	
LLH201	Legal Research
Introductory Law Elective unit or General Law elective unit	
Science Major Unit	
Science Major Unit	
Year 3 Semester 1	
LLB202	Contract Law
LLB203	Constitutional Law
Science Major Unit	
Science Major Unit	
Year 3 Semester 2	
LLB204	Commercial and Personal Property Law
LLB205	Equity and Trusts
Science Major Unit	
Science Major Unit	
Year 4 Semester 1	
LLB301	Real Property Law
General Law Elective unit*	
Science Major Unit	
Science Major Unit	
Year 4 Semester 2	
LLB303	Evidence
LLH206	Administrative Law
Science Major Unit	
Science Major Unit	
Year 5 Semester 1	
LLH302	Ethics and the Legal Profession
LLB304	Commercial Remedies
General Law Elective or Non-law Elective or Minor Unit*	
General Law Elective or Non-law	

Elective or Minor Unit*	
Year 5 Semester 2	
LLB306	Civil Procedure
LLH305	Corporate Law
General Law Elective or Non-law Elective or Minor Unit*	
General Law Elective or Non-law Elective or 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 in place of 4 of 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 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- Year 5, Semester 2
- Year 6, Semester 1
- Year 6, Semester 2
- *Law Elective Information

Code	Title
Year 1, Semester 2	
LLB101	Introduction to Law
LLB102	Torts
Year 2, Semester 1	
LLB103	Dispute Resolution
LLB104	Contemporary Law and Justice
Year 2, Semester 2	
LLB106	Criminal Law
LLB107	Statutory Interpretation
From 2019, LLB107 Statutory Interpretation replaces LLB105 Legal Problems and Communication	
Year 3, Semester 1	
LLB202	Contract Law
LLH201	Legal Research
Year 3, Semester 2	
LLB204	Commercial and Personal Property Law
Introductory Law Elective unit or General Law Elective	
Year 4, Semester 1	
LLB203	Constitutional Law
General Law Elective unit	

Year 4, Semester 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, Semester 2	
LLB303	Evidence
LLB306	Civil Procedure
LLH305	Corporate Law
General Law Elective or Non-law Elective or Minor Unit*	
Year 6, Semester 1	
LLB304	Commercial Remedies
LLH302	Ethics and the Legal Profession
General Law Elective or Non-law Elective or Minor Unit*	
General Law Elective or Non-law Elective or Minor Unit*	
Year 6, Semester 2	
LLH401	Legal Research Capstone
Advanced Law Elective unit	
Advanced Law Elective unit	
***Law Elective Information**	
Law students may complete up to 4 non-law electives or a university wide minor in place of 4 general law electives	
From 2019 students may select the Law, Innovation and Technology Minor in place of 4 general law electives provided they have enough units to do so	

Semesters

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

Code	Title
Year 1, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 1, Semester 2	
Science Core Unit Option	
Science Core Unit Option	
Year 2, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, Semester 2	
BVB101	Foundations of Biology
BVB102	Evolution

This information is correct as at 30/11/2020. For the most up-to-date course information, visit https://qutvirtual4.qut.edu.au/group/student/enrolment/courses/course?courseCode=IX80&id=35438. CRICOS No.00213J

Bachelor of Science/Bachelor of Laws (Honours)

Year 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	
BVB301	Animal Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB302	Applied Biology
BVB304	Integrative 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, 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	
CVB101	General Chemistry
CVB102	Chemical Structure and Reactivity
Year 3, Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3, Semester 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, 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

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	
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	Chemical Earth
ERB302	Applied Geophysics
Year 4, Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics

Semesters

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

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	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 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, Semester 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

- Year 1, Semester 1
- Year 1, Semester 2
- 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, 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 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
OP	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.au
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.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 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:

1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
2. (b) 120 credit points (10 units) of Major Core units

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

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

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education Graduation Statement.

Law, technology and innovation minor units

- Law and Data Analysis (LLB250)
- Law and Design Thinking (LLB251)
- Regulating Artificial Intelligence and Robotics (LLB341)
- Regulating the Internet (LLB345)

Honours-level units

96 credit points of the following honours units will be used to determine the honours levels of the LLB (Hons):

- Legal Research (LLH201)
- Administrative Law (LLH206)
- Ethics and the Legal Profession (LLH302)
- Corporate Law (LLH305)
- Legal Research Capstone (LLH401) (24 credit points
- two 12-credit point Advanced Law Electives

International Course structure

Students are required to complete 528 credit points, comprised of 192 credit points for the Bachelor of Information Technology program and 336 credit points for the Bachelor of Laws program.

Requirements for the completion of the Bachelor of Information Technology component are as follows:

1. 72 credit points (6 units) of IT Core units, which includes 24 credit points (2 units) of Option Units selected from an approved list.
2. (b) 120 credit points (10 units) of Major Core units

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

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

Under the Law component you will complete 336 credit points of core units and a mixture of law electives made up of

- 19 Core units (240 credit points)
- 1 introductory law elective* (12 credit points)
- 5 general law electives** (60 credit points)
- 2 advanced law electives (24 credit points)

*Students commencing from 2019 may select a general law elective in place of the introductory law elective

**Students commencing from 2019 have the option to complete the Law, Technology and Innovation minor or 4 non-law electives (48 credit points) or a university wide minor in place of 4 general law electives (48 credit points). Successful completion of a minor will be recognised on the academic record and/or the Australian Higher Education

Bachelor of Information Technology/Bachelor of Laws (Honours)

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, Semester 1	
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
LLB101	Introduction to Law
LLB102	Torts
Year 1, Semester 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 Law Elective unit	
LLH201	Legal Research
Year 3, Semester 1	
IT Major Unit	
IT Major Unit	
LLB202	Contract Law
LLB203	Constitutional Law
Year 3, Semester 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 Law Elective unit	
Year 4, Semester 2	
IT Major Unit	
IT Major Unit	
LLB303	Evidence
LLH206	Administrative Law
Year 5, Semester 1	
LLB304	Commercial Remedies
LLH302	Ethics and the Legal 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 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	
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
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 3, Semester 1	

Bachelor of Information Technology/Bachelor of Laws (Honours)

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:	
CAB401	High Performance and Parallel Computing
CAB403	Systems Programming
OR IT Core Unit Option	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Select ONE of:	
CAB402	Programming Paradigms
CAB420	Machine Learning
OR IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	

Semesters

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
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
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 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
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

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 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.

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	
Code	Title
MXN400	Mathematical Research Training
MXN404-1	Honours Research Project 1
Coursework option unit	
Coursework option unit	

Semester 2	
Code	Title
MXN404-2	Honours Research Project 2
MXN404-3	Honours Research Project 3
Coursework option unit	
Coursework option unit	

Mathematics Honours Options List	
Code	Title
MXN401	Minor Project
MXN402	AMSI Unit 1
MXN403	AMSI Unit 2
MXN421	Advanced Computational Mathematics
MXN422	Numerical Methods for Fractional Partial Differential Equations
MXN423	Advanced Mathematical Modelling
MXN424	Advanced Applied Analysis
MXN431	Advanced Operations Research
MXN441	Advanced Statistical Inference and Modelling
MXN442	Modern Statistical Computing Techniques

Bachelor of Urban Development (Honours) (Urban and Regional Planning)/ Bachelor of Science (Environmental Science)

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 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

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit.
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Envrionmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

International Course structure

For this course you must complete a total of 480 credit points, made up of 288 credit points from the Bachelor of Urban Development (Honours) (Urban and Regional Planning) and 192 credit points from the Bachelor of Science (Environmental Science). You will study both science and urban development units in your first four years, and concentrate on urban development studies for the remainder of this course.

Urban and Regional Planning component

Students are required to complete 288 credit points of study comprising:

- 72 credit points of core Urban Development units including a 12 credit point work placement unit and a 12 credit point research methods unit
- 216 credit points of Urban and Regional Planning major discipline units including 24 credit points of capstone project.

Envrionmental Science Component

Students are required to complete 192 credit points of study comprising:

- 60 credit points of core Science units including one option unit (12cp) to be selected from a unit options list.
- 132 credit points of Environmental Science major discipline units.

Sample Structure

Semesters

- 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)

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
UXB131	Planning and Design Practice
UXB132	Urban Analysis
Year 1, Semester 2	
Science: Core Unit Option	
Environmental Science Major Option Unit	
UXB133	Urban Studies
UXB134	Land Use Planning
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
UXB100	Design-thinking for the Built Environment
UXB130	History of the Built Environment
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
LWS012	Urban Development Law
UXB135	Negotiation and Conflict Resolution
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
UXB231	Stakeholder Engagement
UXB233	Planning Law
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
UXB230	Site Planning
UXB234	Transport Planning
Year 4, Semester 1	
EVB312	Soils and the Environment
OR	
BVB311	Conservation Biology
USB300	Property Development
UXB330	Urban Design
UXH430	Planning Theory and Ethics
Year 4, Semester 2	
EVB304	Case Studies in Environmental Science
ERB310	Groundwater Systems
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment
Year 5, Semester 1	
EVB312	Soils and the Environment
OR (if EVB312 completed previously)	
BVB311	Conservation Biology
BSB113	Economics
UXH400-1	Project - Part A
UXH431	Urban Planning Practice
Year 5, Semester 2	
UXH331	Environmental Planning
UXH432	Community Planning
UXH433	Regional Planning
UXH400-2	Project - Part B

Bachelor of Engineering (Honours)/Bachelor of Mathematics

Year	2020
QUT code	SE40
CRICOS	084922G
Duration (full-time)	5 years
OP	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 (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: 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

Bachelor of Engineering (Honours)/Bachelor of Mathematics

Maths Core option 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
MXB225	Modelling with Differential Equations 1
Year 3 Semester 2	
MXB202	Advanced Calculus
MXB226	Computational Methods 1
Year 4 Semester 1	
MXB322	Partial Differential Equations
MXB326	Computational Methods 2
Year 4 Semester 2	
MXB325	Modelling with Differential Equations 2
MXB328	Work Integrated Learning in Applied and Computational Mathematics

Semesters

- Operations Research Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2

Code	Title
Operations Research Major unit set:	
Year 1 Semester 1	
MXB102	Abstract Mathematical Reasoning
MXB106	Linear Algebra
Year 1 Semester 2	
MXB105	Calculus and Differential Equations
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
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

Code	Title
Year 1 - 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 - 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
Year 5 - Semester 1	
EGB362	Operations Management and Process Economics
EGH400-1	Research Project 1
EGH404	Research in Engineering Practice

Bachelor of Engineering (Honours)/Bachelor of Mathematics

EGH463	Plant and Process Design
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control

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

Code	Title
Year 1 - 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 - 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 - 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

- Year 1 - Semester 1
- Year 1 - Semester 2
- 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
Year 1 - 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 - 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	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 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
Advanced Computer and Software Systems Option Unit	
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH455	Advanced Systems Design
CAB432	Cloud Computing
Advanced Computer and Software Systems Option Unit	

Semesters

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

Code	Title
Year 1 - 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 - 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	
EGH400 -1	Research Project 1
EGH404	Research in Engineering

Bachelor of Engineering (Honours)/Bachelor of Mathematics

	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

- Year 1 - Semester 1
- Year 1 - Semester 2
- 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
Year 1 - 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 - 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	
CAB202	Microprocessors and Digital Systems
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 - 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

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

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

Bachelor of Engineering (Honours)/Bachelor of Mathematics

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

Code	Title
Year 1 - 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 - 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	
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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - Semester 1	
EGB319	BioDesign
EGH400-1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - Semester 2	
EGH400-2	Research Project 2

Bachelor of Engineering (Honours)/Bachelor of Information Technology

Year	2020
QUT code	SE60
CRICOS	084923F
Duration (full-time)	5 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: $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 (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: 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 SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

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

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE60, students are required to complete 288 credit points of course units, as outlined below:

- First year: four (4) core units 48cp + two (2) discipline foundation units 24cp + two (2) option units 24cp (96 credit points)
- Major: one (1) block of eight (8) major units 96cp plus eight (8) honours-level units 96cp (192 credit points).

Honours units to consist of:

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

To graduate with a Bachelor of Information Technology in SE60, students are required to complete 192 credit points of course units, as outlined below:

- 72 credit points (6 units) of IT Core units, which includes unit from an approved options list.
- 120 credit points (10 units) of Major Core units

Sample Structure

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

Bachelor of Engineering (Honours)/Bachelor of Information Technology

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	
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -	
IT Core Unit Option	
IT Core Unit Option	
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -	
IT Core Unit Option	
CAB201	Programming Principles
Year 2, Semester 2	
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -	
CAB201	Programming Principles
CAB202	Microprocessors and Digital Systems
(Note: Select CAB202 from the Computer Science Major Option list - this is compulsory in the IT component if majoring in these engineering majors.)	
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -	
IT Core Unit Option	
Computer Science Major Unit Option 1	
(Note: CAB202 will be available as core in the engineering component if majoring in these engineering majors.)	
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)
Computer Science Major Unit Option 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	
CAB201	Programming Principles
IT Core Option	
Year 3, Semester 1	
CAB203	Discrete Structures
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -	
CAB202	Microprocessors and Digital Systems
For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -	
Computer Science Major Unit Option 1	
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
IT Core Unit Option	
OR	
Computer Science Major Unit Option 2	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 2	
OR	
IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	
Computer Science Major Unit Options	
CAB202	Microprocessors and Digital Systems
(CAB202 is CORE unless your Engineering major is in Computer & Software Systems, Electrical, Electrical & Aerospace or Mechatronics in which you will complete CAB202 in your Engineering component.)	
CAB220	Fundamentals of Data Science
CAB320	Artificial Intelligence
CAB340	Cryptography
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB403	Systems Programming
CAB420	Machine Learning
CAB430	Data and Information Integration
CAB432	Cloud Computing
CAB440	Network and Systems Administration

PLEASE NOTE:

This structure Is ONLY for the combination of IT Computer Science and Engineering Computer & Software Systems Majors.

Semesters

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	
Computer Science Major Unit Option 1	
Computer Science Major Unit Option 2	
CAB201 and CAB202 are core to EN01 Computer Software Systems Major	
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

Bachelor of Engineering (Honours)/Bachelor of Information Technology

IFB398	Capstone Project (Phase 1)
Year 4, Semester 2	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 3	
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	
Computer Science Major Unit Option 1	
IT Core Unit Option	
Year 3, Semester 1	
CAB203	Discrete Structures
Computer Science Major Unit Option 2	
Year 3, Semester 2	
CAB303	Networks
IFB295	IT Project Management
Year 4, Semester 1	
CAB301	Algorithms and Complexity
CAB302	Software Development
Year 4, Semester 2	
IFB398	Capstone Project (Phase 1)
IT Core Unit Option	
OR	
Computer Science Major Unit Option 3	
Year 5, Semester 1	
IFB399	Capstone Project (Phase 2)
Computer Science Major Unit Option 3	
OR	
IT Core Unit Option	
(Select IT Core Unit Option here, if not selected previously.)	
Computer Science Major Unit Options	
As CAB201 and CAB202 are core to EN01 Computer Software Systems Major, SE60MJR-CSSECS students will undertake two extra Computer Science Major option units in place of CAB201 and CAB202.	
CAB310	Interaction and Experience Design
CAB320	Artificial Intelligence
CAB330	Data and Web Analytics
CAB340	Cryptography
CAB401	High Performance and Parallel Computing
CAB402	Programming Paradigms
CAB420	Machine Learning
CAB430	Data and Information Integration
CAB431	Search Engine Technology
CAB432	Cloud Computing
CAB440	Network and Systems Administration
CAB441	Network Security

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
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
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
IT Core Unit Option	
Year 4, Semester 1	
IAB203	Business Process Modelling
IFB295	IT Project Management
Year 4, Semester 2	
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, Semester 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
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
- Year 5 - Semester 1
- Year 5 - Semester 2

Code	Title
Semester 1 (February) commencements	

Bachelor of Engineering (Honours)/Bachelor of Information Technology

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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB201	Programming Principles
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
Intermediate 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 - Semester 2	
CAB403	Systems Programming
Intermediate Electrical or Software Option Unit	
Year 5 - Semester 1	
EGH404	Research in Engineering Practice
EGH400-1	Research Project 1
Advanced Electrical or Software Option Unit	
EGH456	Embedded Systems
Year 5 - Semester 2	
EGH400-2	Research Project 2
EGH455	Advanced Systems Design
Advanced Electrical Option Unit	
Advanced Software 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 - 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
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
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 - 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	Research Project 2

Bachelor of Engineering (Honours)/Bachelor of Information Technology

-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
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	
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 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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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 - 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	
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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - Semester 2	
EGB210	Fundamentals of Mechanical

Bachelor of Engineering (Honours)/Bachelor of Information Technology

	Design
EGB211	Dynamics
Year 4 - Semester 1	
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - 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
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 - 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 - 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 - 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	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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 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 Engineering (Honours)/Bachelor of Science

Year	2020
QUT code	SE80
CRICOS	084924E
Duration (full-time)	5 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: $41,800 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

Bachelor of Engineering (Honours)/Bachelor of 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	
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 Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
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 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, Semester 1	
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, Semester 2	
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, Semester 1	
Science Core Unit Option	
Science Major Unit Option	

Semesters

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
SEB113	Quantitative Methods in Science
Year 2 Semester 2	
CVB210	Chemical Measurement Science
Science Core Unit Option	
Year 3 Semester 1	
CVB201	Inorganic Chemistry
CVB202	Analytical Chemistry
Year 3 Semester 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 Semester 2	
CVB303	Coordination Chemistry
CVB304	Chemistry Research Project
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 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, Semester 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, Semester 2	
CVB210	Chemical Measurement Science
CVB303	Coordination Chemistry
Year 5, Semester 1	
CVB304	Chemistry Research Project
Science Core Unit Option	

Semesters

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 1 Semester 2	
Science Core Unit Option	
Science Major Unit Option	
Year 2 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 Semester 2	

Bachelor of Engineering (Honours)/Bachelor of Science

ERB101	Earth Systems
ERB102	Evolving Earth
Year 3 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	Chemical Earth
ERB302	Applied Geophysics
Year 4 Semester 2	
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
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 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	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
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 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 2
Year 2, Semester 2	
ERB101	Earth Systems
EVB102	Ecosystems and the Environment
Year 3, Semester 1	
BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science
Year 3, Semester 2	
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, Semester 1	
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, 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 2
- 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	
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	

Bachelor of Engineering (Honours)/Bachelor of Science

PQB360	Global Energy Balance and Climate Change
PVB210	Stellar Astrophysics
Year 3 Semester 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
Semester 2 (July) commencements	
Year 1, Semester 2	
PVB102	Physics of the Very Small
SEB104	Grand Challenges in Science
Year 2, Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, Semester 2	
PVB200	Computational and Mathematical Physics
SEB113	Quantitative Methods in Science
Year 3, Semester 1	
PVB203	Experimental Physics
PVB210	Stellar Astrophysics
Year 3, Semester 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
Year 5, Semester 1	
PQB360	Global Energy Balance and Climate Change
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
- 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 - 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
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
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 - 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

Bachelor of Engineering (Honours)/Bachelor of 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
- 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 - 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	
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - Semester 2	
CAB202	Microprocessors and Digital Systems
Intermediate Electrical Option Unit	
Year 4 - Semester 1	
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 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
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 - 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	
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 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	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - Semester 2	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
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	

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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
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	
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	
EGB120	Foundations of Electrical 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 - 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
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 - 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 - 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 - 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	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	
EGB120	Foundations of Electrical Engineering
Foundation Unit Option	
Year 3 - Semester 1	

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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 - Semester 2	
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 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 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 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.

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

Overview

The Bachelor of Science (Honours) allows you to further develop specific areas of expertise in science by providing extended modern and rigorous training in science. It prepares you both for 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)

- Chemistry
- Earth 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 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 1	
STB403-1	Honours Research Project 1
STB403-2	Honours Research Project 2
STB403-3	Honours Research Project 3
STB410	Advanced Techniques in Earth, Environmental and Biological Research
Semester 2	
STB403-4	Honours Research Project 4
STB403-5	Honours Research Project 5
STB403-6	Honours Research Project 6
STB411	Advanced Topics in Earth, Environmental and Biological Research

Code	Title
Semester 1	
STB403-1	Honours Research Project 1
STB403-2	Honours Research Project 2
STB403-3	Honours Research Project 3
STB410	Advanced Techniques in Earth, Environmental and Biological Research
Semester 2	
STB403-4	Honours Research Project 4
STB403-5	Honours Research Project 5
STB403-6	Honours Research Project 6
STB411	Advanced Topics in Earth, Environmental and Biological Research

Code	Title
Semester 1	
STB403-1	Honours Research Project 1
STB403-2	Honours Research Project 2
STB403-3	Honours Research Project 3
Elective 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)

Year	2020
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
OP	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	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

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	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, Semester 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, Semester 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	
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment
UXH312	Construction Legislation
2nd Major/Minor unit	
Year 4, Semester 1	
UXH400-1	Project - Part A
UXH411	Programming and Scheduling
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 4, Semester 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
OP	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

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

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, Semester 2	
UXB113	Measurement for Construction
UXB114	Integrated Construction
UXB120	Introduction to Heavy Engineering Sector Technology
UXB121	Imagine Quantity Surveying and Cost Engineering
Year 2, Semester 1	
UXB210	Commercial Construction
UXB211	Building Services
UXB213	Advanced Measurement for Construction
2nd Major/Minor unit	
Year 2, Semester 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
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	

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
OP	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 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:

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 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.

Sample Structure

Semesters

- 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)

Code	Title
Year 1, Semester 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, Semester 1	
BSB113	Economics
UXB231	Stakeholder Engagement
UXB233	Planning Law
2nd Major/Minor unit	
Year 2, Semester 2	
UXB230	Site Planning
UXB234	Transport Planning
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 1	
USB300	Property Development
UXB330	Urban Design
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 3, Semester 2	
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment
UXH331	Environmental Planning
2nd Major/Minor unit	
Year 4, Semester 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 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

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

Code	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 Notes	
IFN515	Fundamentals of Business Process Management
IFN562	Advanced Business Analysis
Select 24 credit points from the Business Analysis Unit Options List:	
IFN521	Foundations of Decision Science
IFN561	Enterprise Systems Lifecycle Management
IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction and Retrieval
IFN631	IT Governance
IFN662	Enterprise Systems and Applications

Graduate Certificate in Computer Science

Year	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 census dates'.

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 census dates'.

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 Master of Information Technology (IN20) (three semesters)

Students with bachelor degrees in disciplines other than information technology may consider the University Certificate in Tertiary Prepartion for Postgraduate Studies (QC06) or English for Academic Purposes 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 English Language Testing System)	
Overall	6.0
Listening	5.0
Reading	5.5
Writing	5.5
Speaking	5.0

Successful completion of QUT's English for Academic Purposes (EAP)(Direct Stream) with 50% or better or QC32 English for Academic Purposes 2.

Course Design

The Graduate Certificate in Communication for Information Technology will provide you with core discipline studies and communication knowledge and skills.

The course structure consists of 48 credit points of units. There are two common core communications units (24cp) and two information technology unit options (24cp) from the following information technology areas: Computer Science/Data Science, Enterprise Systems, Networks, Security, or Business Process Management.

NB: If you intend to follow a major pathway into IN20/21 MIT you should select the recommended IT units for those majors on commencment of IN17.

Pathways to Further Study

The QUT Graduate Certificate in Communication for Information Technology is located at Level 8 of the Australian Qualifications Framework (AQF). Eligible graduates may articulate from the Graduate Certificate in Communication for Information Technology into the related 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 -

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*

** Italics = option units in the MIT major*

PLEASE NOTE: IFN563 and IFN564 are 6 credit point (cp) units (delivered in block mode - 5 week teaching period).

IMPORTANT: When you select a 6cp unit you must select another 6cp unit together with it. The units are delivered in 5 week teaching period:

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 9 to 13 of semester 1
- 5 Week C runs from week 1 in semester 2
- 5 Week D runs from week 9 in semester 2.

Due to the shorter timeframes involved the 5 Week sessions have different enrolment and census dates'.

Code	Title
UNIT LIST	
Core units:	
QCD111	Communication 1
QCD211	Communication 2
Plus select 24 credit points from the Postgraduate Information Technology Unit Options List:	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
(Note: IFN563 and IFN564 are 6 credit points units, 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).	

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, 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
MGN505	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'.

Code	Title
Unit Set	
IFN619	Data Analytics for Strategic Decision Makers
PLUS Select 36 credit points from the Electives option list:	
[The units are classified in streams as a guide to assist you in focusing your studies. You may wish to pick and choose combination of units depending on your needs and interests]	
IFN509	Data Exploration and Mining
(IFN509: data analysis/ data-driven/ data systems development focus)	
IFN515	Fundamentals of Business Process Management
(IFN515: data-driven decision making focus)	
IFN552	Systems Analysis and Design
(IFN552+IFN556: data systems development focus/ IFN552+IFN554: data-driven decision making focus)	
IFN554	Databases
(IFN554+IFN555: data analysis/ data systems development focus/ IFN554+IFN552 data-driven decision making focus)	
IFN555	Introduction to Programming
(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.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

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.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

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.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

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.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

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 requirements

Academic 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.

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	Title
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.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

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, 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	Title
Unit List	
IFN515	Fundamentals of Business Process Management
IFN561	Enterprise Systems Lifecycle Management
IFN562	Advanced Business Analysis
Select 12 credit points from the Business Analysis Unit Options List:	
IFN521	Foundations of Decision Science
IFN619	Data Analytics for Strategic Decision Makers
IFN631	IT Governance
IFN662	Enterprise Systems and Applications

Important Enrolment Information:
IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the semester and the other unit in the second half of the same semester.

- 5 Week A runs from week 1 to 5 of semester 1
- 5 Week B runs from week 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'.

Code	Title
Unit List	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
Select 36 credit points from the Computer Science Unit Options List:	
IFN507	Network Systems
IFN509	Data Exploration and Mining
IFN541	Information Security Management
IFN591	Principles of User Experience
IFN666	Web and Mobile Application Development

Important Enrolment Information:
IFN563 and IFN564 are 6 credit points units and are delivered in 5 week teaching period. You must enrol in both units together - one in the first half of the 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'.

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
LWQ702	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.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

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.

In exceptional circumstances, extensive work experience in a particular field can also be recognised.

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 full-time 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.

Master of Engineering Management

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

- Combined Masters Program - Year 2
- BN87 Study Plan for EN50 Master of Engineering Graduates
- Engineering Management Unit Options List

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	
ENN591-1	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	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
Select 12CP (1 unit) from	
AMN430	International Logistics Management
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN441	Coaching for Leadership Development
MGN505	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, Semester 1	
ENN541	Research Methods for Engineers
ENN591-1	Project 1
PMN610	Project Management Principles
OR Engineering Management Option Unit	
Engineering Management Option Unit	
Year 1, Semester 2	
ENN570	Enterprise Resource Planning
ENN591-2	Project 2
PMN610	Project Management Principles
OR Engineering Management Option Unit	
Engineering Management 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 12CP (1 unit) from the Engineering Management Unit Options List 2	
AMN430	International Logistics Management
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN441	Coaching for Leadership Development
MGN505	Consulting and Change Management
PMN504	People and Projects
PMN601	Projects and Performance

Master of Engineering

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 requirements

Academic entry requirements

A completed recognised four year full-time 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 7-point 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 full-time 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 full-time 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 full-time 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

Master of Engineering

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*); or

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 post-professional 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, Semester 1	
ENN541	Research Methods for Engineers
ENN590-1	Project 1
PMN610	Project Management Principles
OR Electrical/Mechanical Engineering Major Option Unit	
Electrical/Mechanical Engineering Major Option Unit	
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

	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
ELECTRONICS units:	
CAB420	Machine Learning
EGB439	Advanced Robotics
EGH449	Advanced Electronics
EGH456	Embedded Systems

Mechanical 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 Mechanical Engineering Unit Options 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
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
ENN531	Advanced Materials and Engineering Applications
ENN552	Solar Thermal Systems - Heat and Power
ENN553	Energy Optimised Buildings and Communities
Note: ENN552 & ENN553 available in alternate years of each other	
ENN533 was discontinued in 2018 and 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

- Combined Masters Program - Year 2
- EN50 Study Plan for BN87 Master of Engineering Management Graduates
- Electrical Engineering Major Unit Options List
- Mechanical Engineering Major Unit Options List
- Additional Unit Selections List

Code	Title
Combined Masters Program - Year 2	
To undertake EN50 Master of Engineering in Year 2 of your combined masters program, you will have completed BN87 Master of Engineering Management program in Year 1. Please follow the study plan below, including advanced standing, for your Year 2 EN50 program.	
EN50 Study Plan for BN87 Master of Engineering Management Graduates	
February Entry	
Year 2, Semester 1	
ENN590-1	Project 1
Option unit - select from your major unit options list	
Option unit - select from your major unit options list	
Year 2, Semester 2	
ENN590-2	Project 2
ENN543	Data Analytics and Optimisation
Option unit - select from your major unit options list	
Mid Year Entry	
Year 2, Semester 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

Master of Engineering

ELECTRONICS UNITS	
CAB420	Machine Learning
EGB439	Advanced Robotics
EGH449	Advanced Electronics
EGH456	Embedded Systems
Mechanical Engineering Major Unit Options List	
Select 36CP (3 units) from the Mechanical Engineering Unit Options 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
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: 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
MGN442	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.

Master of Professional Engineering (Civil)

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 full-time 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 full-time 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 full-time 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 full-time 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, Semester 1	
PMN610	Project Management Principles
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 PMN610 is completed)	
Discipline Option Unit	
Year 2, Semester 1	
ENN541	Research Methods for Engineers
ENN592-1	Project 1
Discipline Option Unit	
Discipline Option Unit	
Year 2, Semester 2	
ENN543	Data Analytics and Optimisation
ENN592-2	Project 2
Discipline Option Unit	
Discipline Option Unit	
Select 108CP (9 units) from the Civil Engineering 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

- 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

Code	Title
Year 1, Semester 1	
PMN610	Project Management Principles
OR Discipline Option Unit	
Select from Mandatory Units List	
Discipline Option Unit	
Discipline Option Unit	
Year 1, Semester 2	
ENN544	Sustainable Practice in Engineering
EGH479	Advances in Civil Engineering Practice
PMN610	Project Management Principles
OR Discipline Option Unit (select only if PMN610 is completed)	
Select from Mandatory Units List	
Year 2, Semester 1	
ENN541	Research Methods for Engineers
ENN592-1	Project 1
Select from Mandatory Units List	
Discipline Option Unit	
Year 2, Semester 2	
ENN543	Data Analytics and Optimisation
ENN592-2	Project 2
Select from Mandatory Units List	
Discipline Option Unit	
Select 48CP (4 units) Mandatory for Civil and Construction	
ENN510	Engineering Knowledge Management
UXH411	Programming and Scheduling
Select either:	
ENN530	Asset and Facility Management
OR	
ENN515	Total Quality Management
[ENN530 and ENN515 are alternate unit options.]	
Select either:	
UXH410	Strategic Construction Management
OR	
EGB482	Contracting and Construction Regulations
[UXH410 and EGB482 are alternate unit options.]	
Select 60CP (5 units) from the Civil and Construction 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 Engineering

Master of Professional Engineering (Civil)

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, Semester 1	
PMN610	Project Management Principles
OR Discipline Option Unit	
Discipline Option Unit	
Discipline Option Unit	
Discipline Option Unit	
Year 1, Semester 2	
ENN544	Sustainable Practice in Engineering
EGH479	Advances in Civil Engineering Practice
PMN610	Project Management Principles
OR Discipline Option Unit (select only if PMN610 is completed)	
Discipline Option Unit	
Year 2, Semester 1	
ENN541	Research Methods for Engineers
ENN593-1	Project 1
Discipline Option Unit	
Discipline Option Unit	
Year 2, Semester 2	
ENN570	Enterprise Resource Planning
ENN593-2	Project 2
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
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN409	Management Theory and Practice
MGN441	Coaching for Leadership Development
MGN505	Consulting and Change Management
PMN504	People and Projects
PMN601	Projects and Performance
Select 60CP (5 units) from the Civil Strand 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

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Select 60CP (5 units) from Civil Engineering Unit Options List 1

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
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	
Select 60CP (5 units) from Civil Engineering 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 2
- Year 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 from Mandatory Units List	
Select from Mandatory Units List	
Year 1, Semester 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 Engineering (Civil)

Discipline Option Unit	
Select 48CP (4 units) Mandatory for Civil and Construction	
ENN510	Engineering Knowledge Management
UXH411	Programming and Scheduling
Select either:	
ENN530	Asset and Facility Management
OR	
ENN515	Total Quality Management
[ENN530 and ENN515 are alternate unit options.]	
Select either:	
UXH410	Strategic Construction Management
OR	
EGB482	Contracting and Construction Regulations
[UXH410 and EGB482 are alternate unit options.]	
Select 12CP (1 unit) from the Civil and Construction 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 Engineering

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, 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 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
EGH479	Advances in Civil Engineering Practice
ENN570	Enterprise Resource Planning
ENN593-1	Project 1
Year 2, Semester 1	
ENN593-2	Project 2
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
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN409	Management Theory and Practice
MGN441	Coaching for Leadership Development
MGN505	Consulting and Change Management
PMN504	People and Projects
PMN601	Projects and Performance
Select 12CP (1 units) from the Civil Strand 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

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)
- a four-year bachelor degree in any engineering discipline 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

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:

Code	Title
Year 1, Semester 1	
EGB340	Design and Practice
Discipline Option Unit	
Discipline Option Unit	
Discipline Option Unit	
Year 1, Semester 2	
ENN544	Sustainable Practice in Engineering
PMN610	Project Management Principles
OR Discipline Option Unit	
Discipline Option Unit	
Discipline Option Unit	
Year 2, Semester 1	
ENN541	Research Methods for Engineers
PMN610	Project Management Principles
OR Discipline Option Unit (select only in PMN610 is completed)	
ENN592-1	Project 1
Discipline Option Unit	
Year 2, Semester 2	
ENN543	Data Analytics and Optimisation
ENN592-2	Project 2
Discipline Option Unit	
Discipline Option Unit	
Select 108CP (9 units) from across the 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
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
EGH450	Advanced Unmanned Aircraft Systems
ELECTRONICS units:	
CAB420	Machine Learning
EGB439	Advanced Robotics
EGH449	Advanced Electronics
EGH456	Embedded Systems

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 Electrical Strand Option List

Code	Title
Year 1, Semester 1	
EGB340	Design and Practice
Discipline Option Unit	
Discipline Option Unit	
Discipline Option Unit	
Year 1, Semester 2	
ENN544	Sustainable Practice in Engineering
PMN610	Project Management Principles
OR Discipline Option Unit	
Discipline Option Unit	
Discipline Option Unit	
Year 2, Semester 1	
ENN541	Research Methods for Engineers
PMN610	Project Management Principles
OR Discipline Option Unit	
ENN593-1	Project 1
Discipline Option Unit	
Year 2, Semester 2	
ENN570	Enterprise Resource Planning
ENN593-2	Project 2
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
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN441	Coaching for Leadership Development
MGN505	Consulting and Change Management
PMN504	People and Projects
PMN601	Projects and Performance
Select 60CP (5 units) from the Electrical Strand Option List	
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
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

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

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Select 60CP (5 units) from across the range of specialist areas:

Code	Title
Year 1, Semester 1	
EGB340	Design and Practice
PMN610	Project Management Principles
OR Discipline Option Unit	
Discipline Option Unit	
Discipline Option Unit	
Year 1, Semester 2	
ENN541	Research Methods for Engineers
ENN543	Data Analytics and Optimisation
ENN544	Sustainable Practice in Engineering
ENN592-1	Project 1
Year 2, Semester 1	
ENN592-2	Project 2
PMN610	Project Management Principles
OR Discipline Option Unit	
Discipline Option Unit	
Discipline Option Unit	
Select 60CP (5 units) from across the 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
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
EGH450	Advanced Unmanned Aircraft Systems
ELECTRONICS units:	
CAB420	Machine Learning
EGB439	Advanced Robotics
EGH449	Advanced Electronics
EGH456	Embedded Systems

Semesters

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

Code	Title
Year 1, Semester 1	
EGB340	Design and Practice
PMN610	Project Management Principles
OR Discipline Option Unit	
Discipline Option Unit	
Discipline Option Unit	
Year 1, Semester 2	
ENN541	Research Methods for Engineers
ENN544	Sustainable Practice in Engineering
ENN570	Enterprise Resource Planning
ENN593-1	Project 1
Year 2, Semester 1	
ENN593-2	Project 2
PMN610	Project Management Principles
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
Select 24CP (2 units) from the Engineering Management Unit Options List 2	
AMN430	International Logistics Management
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN409	Management Theory and Practice
MGN441	Coaching for Leadership Development
MGN505	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 assist 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
EGH450	Advanced Unmanned Aircraft Systems

Master of Professional Engineering (Electrical)

ELECTRONICS unit:	
CAB420	Machine Learning
EGB439	Advanced Robotics
EGH449	Advanced Electronics
EGH456	Embedded Systems

Master of Professional Engineering (Mechanical)

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 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).

International Entry requirements

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, Semester 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 Discipline Option Unit	
Discipline Option Unit	
Discipline Option Unit	
Year 2, Semester 1	
ENN541	Research Methods for Engineers
ENN592-1	Project 1
PMN610	Project Management Principles
OR Discipline Option Unit	
Discipline Option Unit	
Year 2, Semester 2	
ENN543	Data Analytics and Optimisation
ENN592-2	Project 2
Discipline Option Unit	

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
*Note: ENN552 and ENN553 are 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	
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 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.	

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 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, Semester 2	
ENN544	Sustainable Practice in Engineering
PMN610	Project Management Principles
OR Discipline Option Unit	
Discipline Option Unit	
Discipline Option Unit	
Year 2, Semester 1	
ENN541	Research Methods for Engineers
PMN610	Project Management Principles
OR Discipline Option Unit	
ENN593-1	Project 1
Discipline Option Unit	
Year 2, Semester 2	
ENN570	Enterprise Resource Planning
ENN593-2	Project 2
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
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN409	Management Theory and Practice
MGN441	Coaching for Leadership Development
MGN505	Consulting and Change Management
PMN504	People and Projects

Master of Professional Engineering (Mechanical)

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 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.	

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
- 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	
ENN541	Research Methods for Engineers
ENN543	Data Analytics and Optimisation
ENN544	Sustainable Practice in Engineering
ENN592-1	Project 1
Year 2, Semester 1	
ENN592-2	Project 2
PMN610	Project Management Principles
OR Discipline Option Unit	
Discipline Option Unit	
Discipline Option Unit	
Select 24CP (2 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
*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 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.	

Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, 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 Mechanical Strand Option 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	Sustainable Practice in Engineering
ENN570	Enterprise Resource Planning
ENN593-1	Project 1
Year 2, Semester 1	
ENN593-2	Project 2
PMN610	Project Management Principles
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
Select 24CP (2 units) from the Engineering Management Unit Options List 2	
AMN430	International Logistics Management
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN409	Management Theory and Practice
MGN441	Coaching for Leadership Development
MGN505	Consulting and Change Management
PMN504	People and Projects
PMN601	Projects and Performance

Master of Professional Engineering (Mechanical)

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 in alternate years of each other	
Note: EGH463 is no longer available for this course from 2020.	

Master of Information Technology

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

If you have an IELTS score of 6 (with Reading and Writing no less than 5.5) and (Listening and Speaking no less than 5) (or accepted equivalent), you may be considered for the Graduate Certificate in Communication for Information Technology pathway.

Course Overview

Graduates of the Master of IT degree will have the specialist knowledge and skills required for senior IT-related professional positions (both technical and managerial). The range of majors offered within the degree opens opportunities for students across the IT sector.

Students who graduate from this degree will have the ability to demonstrate advanced knowledge, based on research practices, in at least one IT discipline. They will undertake a significant research-based project that allows them to constructively apply the analytical skills they develop within an IT problem domain. The course will provide students with the ability to formulate best practice IT strategies and solutions and during this process create new IT discipline knowledge.

The degree aims to prepare students for work in a specialist IT area through a program of study that balances theoretical content, project-based experiences and industry-oriented perspectives.

Core Units

Students must complete core units in Research Based Practice, Project Management and a major Project or 2 small Projects on the approval of their Course Coordinator.

Majors

Students may select a major of 48 credit points from the following disciplines;

*** Data Science**

The data science major provides you with the knowledge and skills to extract information from large, complex and disparate data sets, using leading edge algorithms and tools.

*** Enterprise Systems**

Enterprise systems are engineered information systems that consist of applications and associated information, forming the fundamental structure of organisational processes in most large organisations. Enterprise systems provide comprehensive administrative systems and help to automate and streamline business processes.

*** Security**
The Security major provides you with the skills and knowledge appropriate for a information security professional.You will develop skills in risk management security policies and be aware of the technocal security mechanisms and issues.

*** Computer Science**
The computer science major extends your understanding of computer programming beyond being a mere user of programming language to an appreciation of their design and implementation.

*** Business Process Management**
The Business Process Management Major will provide graduates with complementary skills and knowledge to create and align information systems to effectively support business and enable business strategy.

*** Networks**
The Networks major provides you with the practical skills and theoretical knowledge required by a network administrator. You will gain experience with designing, implementing and maintaining network systems for a wide range of organisations.

*** Human Computer Interaction**
The HCI major develops the advanced knowledge & skills in human-centred design activities involving emerging technologies in order to create new forms of human-computer interaction.

*** Information Management**
The Information Management major provides you with the skills and knowledge to find employment in the information management industry. You will gain awareness of the activities in which information management professionals are engaged, in various organisational contexts.

*** No Major**
Students may select any 4 Advanced level units

Masters Strand Options
Students must complete 72 credit points from the Transition/Advanced Unit Options

Course Completion Rules
Students should meet the following requirements before they are able to complete the Masters program:

For students with an undergraduate degree in an IT-related field wishing to complete the 2 year MIT:

- Students are required to complete 192 credit points of units.
- Students are required to complete the specified core units.
- Students wishing to specialise must complete the specific unit requirements for a major.
- Students wishing to complete their postgraduate studies without a single area of specialisation must satisfy the unit requirements for graduation with no major.
- Students may be allowed to take up to 72 credit points of electives from the list of approved elective units provided.

Entry Requirements
A completed recognised Level 7 Bachelor Degree in any discipline with a minimum GPA of 4 (on a 7 point scale).

IELTS overall band score of 6.5 with no sub-band below 6.0, or equivalent.

Students who have completed a recognised Level 7 Bachelor Degree in the field of Information Technology and are eligible to enter IN21 (graduate entry) MUST indicate 2 year entry option at point of application.

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 Information - IN17 pathway entrant or IT background entrant
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, Semester 1 or Semester 2	
IFN551	Computer Systems Fundamentals
IFN552	Systems Analysis and Design
IFN553	Introduction to Security and Networking
IFN554	Databases
IFN555	Introduction to Programming
IFN556	Object Oriented Programming
IFN557	Rapid Web Development
IFN558	Management Information Systems

IN20MJR-BUSANAL (60cp)

Semesters
- February 2-year-entry/ July 1.5-year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5-year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- 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, Semester 2	
IFN561	Enterprise Systems Lifecycle Management
IFN562	Advanced Business Analysis
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
Business Analysis Option unit	
Business Analysis Option unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN663	Advanced Enterprise Architecture
MIT Elective Unit	
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN561	Enterprise Systems Lifecycle Management

Master of Information Technology

IFN562	Advanced Business Analysis
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN663	Advanced Enterprise Architecture
Business Analysis Option unit	
Year 3, Semester 1	
IFN711	IT Industry Project
Business Analysis Option unit	
MIT Elective Unit	
Business Analysis Unit Options	
Select 24 credit points from the Business Analysis Unit Options List:	
IFN515	Fundamentals of Business Process Management
IFN521	Foundations of Decision Science
IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction and Retrieval
IFN650	Business Process Analytics
IFN662	Enterprise Systems and Applications

IN20MJR-BUSPMGT (60cp)

Semesters

- February 2-year-entry/ July 1.5-year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5-year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- 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 commencements	
Year 1, Semester 2	
IFN515	Fundamentals of Business Process Management
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
IFN650	Business Process Analytics
Business Process Management Option Unit	

Year 2, Semester 2	
IFN712	Research in IT Practice
IFN652	Enterprise Business Process Management
IFN653	Business Process Automation
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN515	Fundamentals of Business Process Management
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN652	Enterprise Business Process Management
IFN653	Business Process Automation
Year 3, Semester 1	
IFN711	IT Industry Project
IFN650	Business Process Analytics
Business Process Management Option Unit	
Business Process Management Unit Options	
Select 12 credit points from the Business Process Management Unit Options List:	
IFN521	Foundations of Decision Science
IFN562	Advanced Business Analysis
IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction and Retrieval
IFN662	Enterprise Systems and Applications
IFN663	Advanced Enterprise Architecture

IN20MJR-COMPSC (60cp)

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 census dates'.

Semesters

- February 2-year-entry/ July 1.5-year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5-year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Computer Science Unit Options
- Select 36 credit points from the Computer Science Unit Options List:

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
IFN664	Advanced Algorithms and Computational Complexity
Computer Science Option Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
Computer Science Option Unit	
Computer Science Option Unit	
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
Computer Science Option Unit	
Computer Science Option Unit	
Year 3, Semester 1	
IFN711	IT Industry Project
IFN664	Advanced Algorithms and Computational Complexity
Computer 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
IFN541	Information Security 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 1.5-year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5-year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Cyber Security and Networks Unit Options
- Select 12 credit points from the Cyber Security and Networks Unit Options List:

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN507	Network Systems
IFN541	Information Security Management
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
IFN644	Network Operations and Security
IFN648	Applied Cryptography
Year 2, Semester 2	
IFN712	Research in IT Practice
Cyber Security and Networks Option Unit	
MIT Elective Unit	
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN541	Information Security Management
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	

Year 2, Semester 2	
IFN712	Research in IT Practice
IFN507	Network Systems
Cyber Security and Networks Option Unit	
Year 3, Semester 1	
IFN711	IT Industry Project
IFN644	Network Operations and Security
IFN648	Applied Cryptography
Cyber Security and Networks Unit Options	
Select 12 credit points from the Cyber Security and Networks Unit Options List:	
ENN523	Advanced Network Engineering
ENN524	Mobile Network Engineering
(note: ENN524 will not be available in SEM-2 '2020'. A suggested alternative SEM-2 2020 unit is IFN667. If you need a SEM-2 major option unit for 2020 please contact Dr Hasmukh Morarji for unit choice advice and approval.)	
IFN591	Principles of User Experience
IFN657	Principles of Software Security
(note: if you have completed IFN643, you should not be taking IFN657)	
Note: LWQ702 (QUT Online unit) is no longer part of the course, if completed prior to mid 2020 it will be permitted to count towards the major option unit	

IN20MJR-DATASC (60cp)

Semesters

- February 2-year-entry/ July 1.5-year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5-year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Data Science Unit Options
- Select 48 credit point from the Data Science Major Unit Options List:

Code	Title
February 2-year-entry/ July 1.5-year-entry 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 Science Option Unit	

Data Science Option Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
Data Science Option Unit	
Data Science Option Unit	
July 2-year-entry/ February 1.5-year-entry commencements	
Year 2, Semester 1	
IFN509	Data Exploration and Mining
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
Data Science Option Unit	
Data Science Option Unit	
Year 3, Semester 1	
IFN711	IT Industry Project
Data Science Option Unit	
Data Science Option Unit	
Data Science Unit Options	
Select 48 credit point from the Data Science Major Unit Options List:	
IFN521	Foundations of Decision Science
IFN619	Data Analytics for Strategic Decision Makers
IFN645	Large Scale Data Mining
IFN646	Biomedical Data Science
IFN647	Text, Web and Media Analytics
IFN680	Artificial Intelligence and Machine Learning

IN20MJR-ENTSYS (60cp)

Semesters

- February 2-year-entry/ July 1.5-year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5-year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- 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	

Master of Information Technology

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 List:	
IFN515	Fundamentals of Business Process Management
IFN521	Foundations of Decision Science
IFN541	Information Security Management
IFN562	Advanced Business Analysis
IFN619	Data Analytics for Strategic Decision Makers
IFN623	Human Information Interaction and Retrieval

IN20MJR-EXECIT (60cp)

Enrolment Information
IAB402 Information Systems Consutling - If you have completed this unit or an equivalent unit in your previous studies, you will need to complete an alternative unit instead. Recommended replacement unit from the Executive IT major unit option list: IFN619, IFN652 or IFN662. Please contact the facutly for assistance in updating your Study Plan accordingly.

Semesters

- February 2-year-entry/ July 1.5-year-entry commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July 2-year-entry/ February 1.5-year-entry commencements
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Executive IT Unit Options
- Select 12 credit points from the Executive IT Unit Options List:

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN631	IT Governance
MIT Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 1	
IFN711	IT Industry Project
IFN561	Enterprise Systems Lifecycle Management
IAB402	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)	
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 Elective Unit	
MIT Elective Unit	
MIT Elective Unit	
Year 2, Semester 2	
IFN712	Research in IT Practice
IFN631	IT Governance
IFN663	Advanced Enterprise Architecture
Year 3, Semester 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
MGN505	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.

Master of Information Technology

Semesters

Code	Title
February 2-year-entry/ July 1.5-year-entry commencements	
Year 1, Semester 2	
IFN563	Object Oriented Design
IFN564	Data Structures and Algorithms
MIT Elective Unit - IFN591 Principles of User Experience (prerequisite for core IFN692)	
MIT Elective Unit	
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)	
IFN692	Interaction Design for Emerging Technologies
(note: select prerequisite unit IFN591 in the electives prior to taking IFN692)	
July 2-year-entry/ February 1.5-year-entry 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 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).

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 English Language Testing System)	
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 Major**
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	

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

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

and Ethics in Insolvency Practice

Choose one elective unit:
LWN803 Cross-Border Insolvency or
LWN804 Regulatory Issues Impacting Insolvency Practice

Further study options

This 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 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

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,

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 replaced by IFN711 from 2020]	
Select 1 unit from the Information Science Options List	
Year 2, Semester 2	
IFN712	Research in IT Practice
[IFN701 is replaced by IFN701 from 2020]	
Select 1 unit from the Information Science Options List	
Select 1 unit from the Information Science 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 requirements

Academic 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

Code	Title
Note:	
Students planning to undertake IFN653 in Semester 2 2020 should contact your Course Coordinator Syed Abbas Zaidi	
Year 1, Semester 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

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).	
IFN515	Fundamentals of Business 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 list:	

Master of Data Analytics

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 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
IFN666	Web and Mobile Application Development
MXN402	AMSI Unit 1
MXN442	Modern Statistical Computing Techniques
Please note:	
The following units which have been discontinued will count as elective options if completed:	
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, Semester 1 (February to June)	
ENN515	Total Quality Management
LSN104	Advancing Anatomy and Physiology
PCN113	Radiation Physics
PCN211	Physics of Medical Imaging
Year 1, Semester 2 (July to October)	
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 requirements

Academic 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 Graduate Certificate in Project Management 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; *or*
- Successful completion of QUT's Graduate Certificate of Project Management 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

Master of Project Management

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

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, Semester 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, Semester 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)

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 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)

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)

Doctor of Philosophy (Hosted by Science and Engineering Faculty)

Year	2020
QUT code	IF49
CRICOS	006367J
Duration (full-time domestic)	3 - 4 years
Duration (full-time international)	4 years
Campus	Gardens Point
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	
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	December, November, October, September, August, July, June, May, April, March, February, January
Int. Start Months	December, November, October, September, August, July, June, May, April, March, February, January
Discipline Coordinator	Science and Engineering Faculty 3138 2595 sef.research@qut.edu.au

Domestic Entry requirements

Academic entry requirements

You must have either:

- a completed recognised relevant honours degree (first class or second class Division A) or equivalent
- a completed recognised masters degree or professional doctorate (by research or coursework)

Admission to the Doctor of Philosophy depends on an applicant's demonstrated research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

For more information on eligibility, read the admission criteria for the Doctor of Philosophy (PDF, 98.5KB).

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 admission criteria for the Doctor of Philosophy (PDF, 98.5KB).

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

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 sub-score 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 on-campus 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.