

# Bachelor of Design (Honours) (Architectural Studies) - Advanced Standing Entry

Year	2021
QUT code	DE42
CRICOS	079947G
Duration (full-time)	4 years
ATAR/Selection rank	93.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,600 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Course Coordinator	Program Director, School of Design
Discipline Coordinator	Sarah Briant +61 7 3138 2000 askqut@qut.edu.au

### **Domestic Entry requirements**

Advanced Standing Entry

Applicants must have a minimum of 264 credit points from core and/or architecture major units in this course.

All other applicants will need to apply for the Bachelor of Design (Architecture).

Selection ranks

You will be considered solely on the basis of the selection ranks from all of your prior diploma and higher studies you may have undertaken. Your other qualifications and experiences may be allocated selection ranks for entry to other QUT courses, but will not be considered for this course.

Find out more about how to Apply with Higher Education Study

# International Entry requirements

Applicants must have a minimum of 264 credit points of advanced standing from core and/or Architecture major units in this course.

All other applicants will need to apply for the Bachelor of Design (Architecture).

# Minimum English requirements

Students must meet the English proficiency requirements.

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

#### **Additional Costs**

There are requirements that you will need to meet as a student in this course. Information is available from the <a href="Additional course requirements and costs">Additional course requirements and costs</a> website.

#### Pathways to Further Study

On successful completion of this course, you will be eligible to apply for entry into the Master of Design (Urban Design) or the Master of Design (Research), provided you have met entry requirements.

### **Professional Recognition**

This course, along with the following Master of Architecture course, has received full accreditation from the Architects Accreditation Council of Australia, and full recognition from the Australian Institute of Architects.

### Domestic Course structure Customise your degree

Your architectural studies design course consists of 18 units in your primary major and four units that are common to all six design majors (architectural studies, fashion, industrial design, interactive and visual design, interior design or landscape architecture).

An additional eight units are taken outside your primary major. After studying for a year you can:

- choose a second major# (eight units from any approved QUT degree), or
- choose two minors (a minor is a specific set of four units drawn from courses throughout QUT), or
- choose one minor and four electives.

Minors and majors allow you to tailor your studies to suit your interests and career aspirations. Minors give you breadth of knowledge from two other areas and a second major provides depth in one area. This means eight units of your course (one quarter of your degree) are taken from outside your primary major. You'll work alongside students from other disciplines because that is how it will be when you graduate and work in the real world of design. The possibilities are almost endless.

Here are some examples that might inspire ideas:

- an architecture student could take a minor in interior design and a work integrated learning minor to gain professional industry experience
- a landscape architecture student could take a language minor such as Italian to help them work overseas
- an interior design student could take a second major in industrial design to aid their ambition to design and manufacture their own range of office furniture
- an industrial design student could take a second major in mechanical or electrical engineering to give them a deeper understanding of manufacturing and production
- a fashion student could take a minor in business and another in interior design to help meet their dream of



### Bachelor of Design (Honours) (Architectural Studies) - Advanced Standing Entry

launching their own concept fashion store

 an interactive and visual design student could take a second major in advertising or marketing and work as a designer for a leading digital agency.

And remember - your second major or minors could be in film, creative writing, music, visual arts, drama or other disciplines across QUT. #

#### Your course

#### Year 1

- three foundation units covering design, design history and sustainability
- two units in introductory core architecture design studios
- first unit dealing with place making

#### Year 2

- two design studio units covering the process of design, dwelling, tectonics and public spaces
- units in integrated technology (climate) and history/theory (culture and space)
- study history/theory (architecture in the twentieth century) and architectural technology (building construction)
- first two units of your second major or first minor

#### Year 3

- units focusing on digital tools and sustainability
- develop knowledge of technology integration (structure)
- study history/theory (architecture and the city), and architectural technology (building services)
- three units in your second major or minors

### Year 4

- address the context of buildings in urban settings
- design project integrating your accumulated knowledge
- complete your second major or your second minor

### **Masters course**

This course is designed to be followed by QUT's one-year Master of Architecture. In addition, to work as a registered architect in Australia you will need to:

- have completed two years of practical work experience (one year of which may be during your studies)
- successfully complete the Architectural Practice Examination
- apply for registration to the Architects' Board in each state or territory in which you wish to practise.

### **Study overseas**

Study overseas while gaining 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. Saving your electives for exchange will allow you the most flexibility. For more information, visit QUT student exchange.

# International Course structure

### **Customise your degree**

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Minors and majors allow you to tailor your studies to suit your interests and career

aspirations. Minors give you breadth of knowledge from two other areas and a second major provides depth in one area.

This means eight units of your course (one quarter of your degree) are taken from

outside your primary major. You'll work alongside students from other disciplines

because that is how it will be when you graduate and work in the real world of design. The possibilities are almost endless. Here are some examples that might inspire ideas:

- an architecture student could take a minor in interior design and a work integrated learning minor to gain professional industry experience
- a landscape architecture student could take a language minor such as Italian to help them work overseas
- an interior design student could take a second major in industrial design to aid their ambition to design and

- manufacture their own range of office furniture
- an industrial design student could take a second major in mechanical or electrical engineering to give them a deeper understanding of manufacturing and production
- a fashion student could take a minor in business and another in interior design to help meet their dream of launching their own concept fashion store
- an interactive and visual design student could take a second major in advertising or marketing and work as a designer for a leading digital agency.

And remember - your second major or minors could be in film, creative writing, music, visual arts, drama or other disciplines across QUT. #

#### Your course

#### Year 1

- three foundation units covering design, design history and sustainability
- two units in introductory core architecture design studios
- · first unit dealing with place making

#### Year 2

- two design studio units covering the process of design, dwelling, tectonics and public spaces
- units in integrated technology (climate) and history/theory (culture and space)
- study history/theory (architecture in the twentieth century) and architectural technology (building construction)
- first two units of your second major or first minor

#### /par3

- units focusing on digital tools and sustainability
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#### Year 4

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#### Masters course

This course is designed to be followed by QUT's one-year Master of Architecture. In addition, to work as a registered architect in Australia you will need to:



### Bachelor of Design (Honours) (Architectural Studies) - Advanced Standing Entry

- have completed two years of practical work experience (one year of which may be during your studies)
- successfully complete the Architectural Practice Examination
- apply for registration to the Architects' Board in each state or territory in which you wish to practise.

Study	Over	seas

Study overseas while gaining 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. Saving your electives for exchange will allow you the most flexibility. For more information, visit QUT student exchange.

### Sample Structure

### **Semesters**

- Advanced standing (288 credit points)
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title
Advanced	d standing (288 credit points)
DEB100	Design and Sustainability
DEB101	Introducing Design
DEB202	Introducing Design History
DAB103	Architectural Visualisation 1
DAB110	Architectural Design 1
DAB203	Architectural Visualisation 2
DAB210	Architectural Design 2
DAB220	Architecture, Culture and Place
DAB310	Architectural Design 3
DAB325	Architecture in the 20th Century
DAB330	Integrated Technologies 1
DAB403	Architectural Visualisation 3
DAB410	Architectural Design 4
DAB435	Architectural Technology 1
DAB511	Architectural Design 5
DAB611	Architectural Design 6
96 credit studies	points of complementary
Year 4, S	emester 1
DAB311	Systems and Structures
DAH525	Architecture and the City
DAH710	Architectural Design 7
DYN102	Research Strategies in Design

Year 4, S	emester 2
DAB312	Building Services
DAH811	Architectural Design 8





# Bachelor of Design (Honours) (Landscape Architecture)

Year	2021
QUT code	DE42
CRICOS	079947G
Duration (full-time)	4 years
OP	13
ATAR/Selection rank	71.00
Offer Guarantee	Yes
Campus	Gardens Point
International fee (indicative)	2019: \$34,300 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	Program Director, School of Design
Discipline Coordinator	Dr Greg Mews +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)

# Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Additional Costs**

There are requirements that you will need to meet as a student in this course. Information is available from the Additional course requirements and costs website.

### **Pathways to Further Study**

On successful completion of this course, you will be eligible to apply for entry into the Master of Design (Urban Design) or the Master of Design (Research), provided you have met entry requirements.

### **Professional Recognition**

This course has accreditation from the Australian Institute of Landscape Architects (AILA). Graduates can apply for membership of this professional organisation.

# **Domestic Course structure Customise your degree**

Your landscape architecture design course consists of 17 units in your primary major and four units that are common to all six design majors (architectural studies, fashion, industrial design, interactive and visual design, interior design or landscape architecture).

An additional eight units are taken outside your primary major. After studying for a year you can:

 choose a second major# (eight units from any approved QUT degree), or

- choose two minors (a minor is a specific set of four units drawn from
- courses throughout QUT), or
- choose one minor and four electives.

Minors and majors allow you to tailor your studies to suit your interests and career aspirations. Minors give you breadth of knowledge from two other areas and a second major provides depth in one area.

This means eight units of your course (one quarter of your degree) are taken from outside your primary major. You'll work alongside students from other disciplines because that is how it will be when you graduate and work in the real world of design. The possibilities are almost endless. Here are some examples that might inspire ideas:

- an architecture student could take a minor in interior design and a work integrated learning minor to gain professional industry experience
- a landscape architecture student could take a language minor such as Italian to help them work overseas
- an interior design student could take a second major in industrial design to aid their ambition to design and manufacture their own range of office furniture
- an industrial design student could take a second major in mechanical or electrical engineering to give them a deeper understanding of manufacturing and production
- a fashion student could take a minor in business and another in interior design to help meet their dream of launching their own concept fashion store
- an interactive and visual design student could take a second major in advertising or marketing and work as a designer for a leading digital agency.

And remember - your second major or minors could be in film, creative writing, music, visual arts, drama or other disciplines across QUT.#

### Your course

### Year 1

- set the groundwork for your landscape design studies
- three foundation units covering design, design history and sustainability
- two units of core landscape design studios



### Bachelor of Design (Honours) (Landscape Architecture)

 units in plant studies, landscape construction and visual communication

#### Year 2

- two key landscape design studios
- study place theory, environmental psychology and site planning
- explore landscape ecology and physical geography
- units in landscape construction and landscape horticulture
- two units from your second major or minor

#### Year 3

- complete four units for your second major or minor
- two landscape design studios
- focus on planting design and detailed design resolution
- combine design with landscape construction
- critique the history of landscape design and contemporary landscape design trends

#### Year 4

- further expand your design expertise
- study two units in advanced landscape design
- study a wide range of urban and regional sites and scenarios
- complete units in your chosen second major/minor
- study professional practice and law, and research methods

#### Second degree

Undertaking a second major in one of the six design disciplines also gives you the option of obtaining a second degree\*.

After graduation, you can return to complete the remaining 12 units (or equivalent) from your second major to obtain a second qualification. This is usually undertaken part time over two years while working.

Note: This is not a double degree because it is not undertaken simultaneously with the first degree.

#### **Example**

A student completes a Bachelor of Design (Honours) (Industrial Design) with a second major in interactive and visual design.

They can then return to complete units in interactive and visual design and graduate with a second design degree in interactive and visual design.

\* To pursue a second design degree, this second major must be an approved set of eight units from within a Bachelor of Design (Honours) primary major.

# The choice of second majors may be limited in some disciplines.

### **Study overseas**

Study overseas while gaining 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. Saving your electives for exchange will allow you the most flexibility. For more information, visit QUT student exchange.

# International Course structure

### **Customise your degree**

Your landscape architecture design course consists of 17 units in your primary major and four units that are common to all six design majors (architectural studies, fashion, industrial design, interactive and visual design, interior design or landscape architecture).

An additional eight units are taken outside your primary major. After studying for a year you can:

- choose a second major# (eight units from any approved QUT degree), or
- choose two minors (a minor is a specific set of four units drawn from
- courses throughout QUT), or
- choose one minor and four electives.

Minors and majors allow you to tailor your studies to suit your interests and career

aspirations. Minors give you breadth of knowledge from two other areas and a second major provides depth in one area.

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outside your primary major. You'll work alongside students from other disciplines

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- an architecture student could take a minor in interior design and a work integrated learning minor to gain professional industry experience
- a landscape architecture student could take a language minor such

- as Italian to help them work
- an interior design student could take a second major in industrial design to aid their ambition to design and manufacture their own range of office furniture
- an industrial design student could take a second major in mechanical or electrical engineering to give them a deeper understanding of manufacturing and production
- a fashion student could take a minor in business and another in interior design to help meet their dream of launching their own concept fashion store
- an interactive and visual design student could take a second major in advertising or marketing and work as a designer for a leading digital agency.

And remember - your second major or minors could be in film, creative writing, music, visual arts, drama or other disciplines across QUT. #

### Your course

#### Year 1

- set the groundwork for your landscape design studies
- three foundation units covering design, design history and sustainability
- two units of core landscape design studios
- units in plant studies, landscape construction and visual communication

#### Year 2

- two key landscape design studios
- study place theory, environmental psychology and site planning
- explore landscape ecology and physical geography
- units in landscape construction and landscape horticulture
- two units from your second major or minor

### Year 3

- complete four units for your second major or minor
- two landscape design studios
- focus on planting design and detailed design resolution
- combine design with landscape construction
- critique the history of landscape design and contemporary landscape design trends

#### Year 4

- further expand your design expertise
- study two units in advanced landscape design
- study a wide range of urban and



### Bachelor of Design (Honours) (Landscape Architecture)

- regional sites and scenarios
- complete units in your chosen second major/minor
- study professional practice and law, and research methods

### Second degree

Undertaking a second major in one of the six design disciplines also gives you the option of obtaining a second degree\*.

After graduation, you can return to complete the remaining 12 units (or equivalent) from your second major to obtain a second qualification. This is usually undertaken part time over two years while working.

Note: This is not a double degree because it is not undertaken simultaneously with the first degree.

### **Example**

A student completes a Bachelor of Design (Honours) (Industrial Design) with a second major in interactive and visual design.

They can then return to complete units in interactive and visual design and graduate with a second design degree in interactive and visual design.

\* To pursue a second design degree, this second major must be an approved set of eight units from within a Bachelor of Design (Honours) primary major.

# The choice of second majors may be limited in some disciplines.

### **Study Overseas**

Study overseas while gaining 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. Saving your electives for exchange will allow you the most flexibility. For more information, visit QUT student exchange.





# **Bachelor of Design**

Year	2021
QUT code	DE43
CRICOS	096565B
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,500 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
Course Coordinator	Program Director, School of Design

# Minimum English requirements

Students must meet the English proficiency requirements.





# **Bachelor of Design (Architecture)**

Year	2021
QUT code	DE43
CRICOS	096565B
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	80.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,500 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	Program Director, School of Design
Discipline Coordinator	Sarah Briant +61 7 3138 2000 askqut@qut.edu.au

## **Domestic Assumed** knowledge

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

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

### **Minimum English** requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

To meet the course requirements for the Bachelor of Design (Architecture), you must complete a total of 288 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the architecture discipline
- · four school-wide impact lab units (48 credit points)
- complementary studies, made up of both: four architecture design specialisation units (48 credit points)a minor, or a combination of design specialisation units and electives (unit options) (48 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**

To meet the course requirements for the Bachelor of Design (Architecture), you must complete a total of 288 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the architecture discipline
- four school-wide impact lab units (48 credit points)
- complementary studies, made up of both: four architecture design specialisation units (48 credit points)a minor, or a combination of design specialisation units and electives (unit options) (48 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**

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

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
DAB101	Architectural Design 1: Explorations
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
DYB112	Spatial Materiality
Year 1, S	emester 2
DAB102	Architectural Design 2: Spaces
DYB102	Impact Lab 2: People
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
	dents considering studying in Year 2 Semester 2 must



apply by 1 November.  Year 2, Semester 1  DAB200 Modern Architecture  DAB201 Architectural Design 3:     Dwelling  DAB211 Environmental Principles of Architectural Design  A Complementary Studies unit  Year 2, Semester 2  DAB202 Architectural Design 4: Metro  DAB212 Small Scale Building Construction  DYB201 Impact Lab 3: Planet  A Complementary Studies unit  Year 3, Semester 1  DAB301 Architectural Design 5:     Commercial  DAB311 Systems and Structures
DAB200 Modern Architecture  DAB201 Architectural Design 3:    Dwelling  DAB211 Environmental Principles of Architectural Design  A Complementary Studies unit  Year 2, Semester 2  DAB202 Architectural Design 4: Metro  DAB212 Small Scale Building    Construction  DYB201 Impact Lab 3: Planet  A Complementary Studies unit  Year 3, Semester 1  DAB301 Architectural Design 5:    Commercial  DAB311 Systems and Structures
DAB201 Architectural Design 3:    Dwelling  DAB211 Environmental Principles of Architectural Design  A Complementary Studies unit  Year 2, Semester 2  DAB202 Architectural Design 4: Metro  DAB212 Small Scale Building    Construction  DYB201 Impact Lab 3: Planet  A Complementary Studies unit  Year 3, Semester 1  DAB301 Architectural Design 5:    Commercial  DAB311 Systems and Structures
DAB211 Dwelling  DAB211 Environmental Principles of Architectural Design  A Complementary Studies unit  Year 2, Semester 2  DAB202 Architectural Design 4: Metro  DAB212 Small Scale Building Construction  DYB201 Impact Lab 3: Planet  A Complementary Studies unit  Year 3, Semester 1  DAB301 Architectural Design 5: Commercial  DAB311 Systems and Structures
Architectural Design A Complementary Studies unit Year 2, Semester 2 DAB202 Architectural Design 4: Metro DAB212 Small Scale Building Construction DYB201 Impact Lab 3: Planet A Complementary Studies unit Year 3, Semester 1 DAB301 Architectural Design 5: Commercial DAB311 Systems and Structures
A Complementary Studies unit  Year 2, Semester 2  DAB202 Architectural Design 4: Metro  DAB212 Small Scale Building Construction  DYB201 Impact Lab 3: Planet  A Complementary Studies unit  Year 3, Semester 1  DAB301 Architectural Design 5: Commercial  DAB311 Systems and Structures
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DAB212 Small Scale Building Construction  DYB201 Impact Lab 3: Planet A Complementary Studies unit  Year 3, Semester 1  DAB301 Architectural Design 5: Commercial  DAB311 Systems and Structures
DAB212 Construction  DYB201 Impact Lab 3: Planet  A Complementary Studies unit  Year 3, Semester 1  DAB301 Architectural Design 5: Commercial  DAB311 Systems and Structures
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Year 3, Semester 1  DAB301 Architectural Design 5: Commercial  DAB311 Systems and Structures
DAB301 Architectural Design 5: Commercial DAB311 Systems and Structures
DAB301 Architectural Design 5: Commercial DAB311 Systems and Structures
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
A Complementary Studies unit
Year 3, Semester 2
DAB302 Architectural Design 6: Communities
DAB303 Integrated Architectural Technology
DAB312 Building Services
A Complementary Studies unit
Semester 2 (July) commencements
Year 1, Semester 2
DAB102 Architectural Design 2: Spaces
DYB101 Impact Lab 1: Place
DYB113 Create and Represent: Materials
DYB114 Spatial Histories
Year 2, Semester 1
DAB101 Architectural Design 1: Explorations
DYB102 Impact Lab 2: People
DYB111 Create and Represent: Form
DYB112 Spatial Materiality
Note: Students considering studying overseas in Year 3 Semester 1 must
apply by 1 June.

Year 2, Semester 2

Year 3, Semester 1

**DAB212** 

DAB202 | Architectural Design 4: Metro

Small Scale Building

Construction

DYB201 Impact Lab 3: Planet

A Complementary Studies unit

DAB200	Modern Architecture	
DAB201	Architectural Design 3: Dwelling	
DAB311	Systems and Structures	
DAB211	Environmental Principles of Architectural Design	
Year 3, Semester 2		
DAB302	Architectural Design 6: Communities	
DAB303	Integrated Architectural Technology	
DAB312	Building Services	
A Comple	ementary Studies unit	
Year 4, S	emester 1	
	Architectural Design 5:	
DAB301	Commercial Commercial	
One unit	Ü	
One unit	Commercial from the Impact Lab Unit .ist (DYB301, KKB341,	
One unit Options L KKB350,	Commercial from the Impact Lab Unit .ist (DYB301, KKB341, UXB301): Impact Lab 4: Purpose	
One unit Options L KKB350, DYB301	Commercial from the Impact Lab Unit List (DYB301, KKB341, UXB301): Impact Lab 4: Purpose Work Integrated Learning 1	
One unit Options L KKB350, DYB301 KKB341	Commercial from the Impact Lab Unit List (DYB301, KKB341, UXB301): Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour	
One unit Options L KKB350, DYB301 KKB341 KKB350 UXB301	Commercial from the Impact Lab Unit List (DYB301, KKB341, UXB301): Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour	
One unit Options L KKB350, DYB301 KKB341 KKB350 UXB301 A Comple	Commercial from the Impact Lab Unit List (DYB301, KKB341, UXB301): Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour Professional Practice	

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- 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
- Semester 2 (July) commencements
- Year 1, Semester 1
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Year 5, Semester 1
- Year 5, Semester 2
- Year 6, Semester 1
- Year 6, Semester 2
- Year 7, Semester 1

Materials

**DYB113** 

Code	Title	
Semester 1 (February) commencement		
Year 1, Semester 1		
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
Year 1, Semester 2		
DVD112	Create and Represent:	



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

### Year 2, Semester 1

Architectural Design 1: **DAB101 Explorations** 

DYB112 Spatial Materiality

#### Year 2, Semester 2

Architectural Design 2: **DAB102** Spaces

Integrated Architectural **DAB303** Technology

### Year 3, Semester 1

Architectural Design 3: **DAB201** Dwelling

Environmental Principles of **DAB211** Architectural Design

#### Year 3, Semester 2

DAB202 | Architectural Design 4: Metro

Small Scale Building **DAB212** Construction

### Year 4, Semester 1

DAB311 Systems and Structures DYB102 Impact Lab 2: People

### Year 4, Semester 2

Architectural Design 6: **DAB302** Communities

DAB312 Building Services

### Year 5, Semester 1

DAB200 Modern Architecture

Architectural Design 5: **DAB301** Commercial

### Year 5, Semester 2

DYB201 Impact Lab 3: Planet

A Complementary Studies 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 6, Semester 1

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

KKB341 Work Integrated Learning 1

DYB301 Impact Lab 4: Purpose

KKB350 | Creative Industries Study Tour

A Complementary Studies unit

# Year 6, Semester 2

A Complementary Studies unit A Complementary Studies unit

Semester 2 (July) commencements

### Year 1, Semester 1

DYB101 Impact Lab 1: Place

Create and Represent: **DYB113** Materials



Bachel	or of Design (Architecture)	
Year 2, S	emester 1	
DYB111	Create and Represent: Form	
DYB112	Spatial Materiality	
Note: Stu	dents considering studying	
	in Year 3 Semester 1 must	
apply by		
	emester 2	
DYB102	Impact Lab 2: People	
DYB114	Spatial Histories	
Year 3, S	emester 1	
DAB101	Architectural Design 1: Explorations	
DAB200	Modern Architecture	
Year 3, S	emester 2	
DAB102	Architectural Design 2: Spaces	
DYB201	Impact Lab 3: Planet	
Note: DY	B201 Impact Lab 3: Planet will	
	d in semester 2 only in 2020. It	
	fered in semester 1 and	
	2 from 2021.	
rear 4, S	emester 1	
DAB201	Architectural Design 3: Dwelling	
DAB211	Environmental Principles of Architectural Design	
Year 4, S	emester 2	
DAB202	Architectural Design 4: Metro	
DAB212	Small Scale Building Construction	
Year 5, S	semester 1	
	Architectural Design 5:	
DAB301	Commercial	
DAB311	Systems and Structures	
Year 5, S	emester 2	
DAB302	Architectural Design 6: Communities	
DAB303	Integrated Architectural Technology	
Year 6, S	semester 1	
	ementary Studies unit	
-	ementary Studies unit	
	semester 2	
DAB312	Building Services	
	ementary Studies unit	
-	emester 1	
	from the Impact Lab Unit	
Options List (DYB301, KKB341, KKB350 or UXB301):		
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
IVIDOTI	-	

KKB350 Creative Industries Study Tour

UXB301 | Professional Practice A Complementary Studies unit





# **Bachelor of Design (Interior Architecture)**

Year	2021
QUT code	DE43
CRICOS	096565B
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,500 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	Program Director, School of Design
Discipline Coordinator	Dr Penny Wild +61 7 3138 2000 askqut@qut.edu.au

## **Domestic Assumed** knowledge

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

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

### **Minimum English** requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

To meet the course requirements for the Bachelor of Design (Interior Architecture), you must complete a total of 288 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the interior architecture discipline
- · four school-wide impact lab units (48 credit points)
- complementary studies, made up of both: design specialisation units (minimum 48 credit points)a minor, or a combination of design specialisation units and electives (unit options) (48 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

To meet the course requirements for the Bachelor of Design (Interior Architecture), you must complete a total of 288 credit points, made up of:

• a design major (144 credit points),

- including four shared foundation units (48 credit points) and 96 credit points from the interior architecture discipline
- four school-wide impact lab units (48 credit points)
- complementary studies, made up of both: design specialisation units (minimum 48 credit points)a minor. or a combination of design specialisation units and electives (unit options) (48 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

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

Code	Title		
Semester 1 (February) commencements			
Year 1, S	Year 1, Semester 1		
DTB101	Interior Studio: Interiority		
DYB101	Impact Lab 1: Place		
DYB111	Create and Represent: Form		
DYB112	Spatial Materiality		
Year 1, Semester 2			
DTB102	Interior Studio: Inhabitance		
DYB102	Impact Lab 2: People		
DYB113	Create and Represent: Materials		
DYB114	Spatial Histories		
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.			
Year 2, Semester 1			

Interior Access and **DTB200** 



Bachelor of Design (Interior Archite	
Assemblies	A Complementary Studies unit
DTB204 Interior Studio: Inclusion	Year 4, Semester 1
A Design Specialisation unit	DTB304 Design in Society
A Complementary Studies unit	One unit from the Impact Lab Unit
Year 2, Semester 2	Options List (DYB301, KKB341, KKB350 or UXB301):
DTB205 Design Psychology	DYB301 Impact Lab 4: Purpose
DYB201 Impact Lab 3: Planet	KKB341 Work Integrated Learning 1
A Design Specialisation unit	KKB350 Creative Industries Study Tou
A Complementary Studies unit	UXB301 Professional Practice
Year 3, Semester 1	A Design Specialisation unit
DTB304 Design in Society	A Complementary Studies unit
One unit from the Impact Lab Unit Options List (DYB301, KKB341 or KKB350):	Semesters
DYB301 Impact Lab 4: Purpose	• <u>Semester 1 (February)</u>
KKB341 Work Integrated Learning 1	<ul><li>commencements</li><li>Year 1, Semester 1</li></ul>
KKB350 Creative Industries Study Tour	<ul> <li>Year 1, Semester 2</li> </ul>
A Design Specialisation unit	• Year 2, Semester 1
A Complementary Studies unit	<ul><li>Year 2, Semester 2</li><li>Year 3, Semester 1</li></ul>
Year 3, Semester 2	<ul> <li>Year 3, Semester 2</li> </ul>
DTB305 Interior Studio: Integration	<ul><li>Year 4, Semester 1</li><li>Year 4, Semester 2</li></ul>
DTB306 Interior Systems	• Year 5, Semester 1
A Design Specialisation unit	<ul> <li>Year 5, Semester 2</li> </ul>
A Complementary Studies unit	<ul><li>Year 6, Semester 1</li><li>Year 6, Semester 2</li></ul>
Semester 2 (July) commencements	<ul> <li>Semester 2 (July) commencements</li> </ul>
Year 1, Semester 2	<ul> <li>Year 1, Semester 2</li> </ul>
DYB101 Impact Lab 1: Place	<ul><li>Year 2, Semester 1</li><li>Year 2, Semester 2</li></ul>
·	• Year 3, Semester 1
OYB113 Create and Represent: Materials	<ul><li>Year 3, Semester 2</li><li>Year 4, Semester 1</li></ul>
DYB114 Spatial Histories	• Year 4, Semester 2
A Complementary Studies unit	<ul><li>Year 5, Semester 1</li><li>Year 5, Semester 2</li></ul>
Year 2, Semester 1	<ul> <li>Year 6, Semester 1</li> </ul>
DTB101 Interior Studio: Interiority	• <u>Year 6, Semester 2</u>
DYB102 Impact Lab 2: People	• Year 7, Semester 1
DYB111 Create and Represent: Form	Code Title
DYB112 Spatial Materiality	Semester 1 (February) commencements
Note: Students considering studying	Year 1, Semester 1
overseas in Year 3 Semester 1 must apply by 1 June.	DYB101 Impact Lab 1: Place
Year 2, Semester 2	DYB111 Create and Represent: Form
DTB102 Interior Studio: Inhabitance	Year 1, Semester 2
DTB205 Design Psychology	DYB113 Create and Represent:
DYB201 Impact Lab 3: Planet	Materials
A Design Specialisation unit	DYB114 Spatial Histories
Year 3, Semester 1	Note: Students considering studying
	overseas in Year 2 Semester 2 must apply by 1 November.
DTB200 Interior Access and Assemblies	Year 2, Semester 1
DTB204 Interior Studio: Inclusion	DTB101 Interior Studio: Interiority
A Design Specialisation unit	DYB112 Spatial Materiality
A Complementary Studies unit	Year 2, Semester 2
Year 3, Semester 2	DTB102 Interior Studio: Inhabitance
DTB305 Interior Studio: Integration	DYB102 Impact Lab 2: People
DTB306 Interior Systems	Year 3, Semester 1
A Design Specialisation unit	DTB200 Interior Access and

Assemblies Design Specialisation unit ear 3, Semester 2 TB205 Design Psychology Complementary Studies unit ear 4, Semester 1 TB204 Interior Studio: Inclusion Design Specialisation unit ear 4, Semester 2 YB201 Impact Lab 3: Planet Complementary Studies unit ear 5, Semester 1 TB304 Design in Society Design Specialisation unit ear 5, Semester 2 TB305 Interior Studio: Integration TB306 Interior Systems ear 6, Semester 1 ne unit from the Impact Lab Unit ptions List (DYB301, KKB341 or KB350): YB301 Impact Lab 4: Purpose KB341 Work Integrated Learning 1 KB350 Creative Industries Study Tour Complementary Studies unit ear 6, Semester 2 Design Specialisation unit Complementary Studies unit emester 2 (July) commencements ear 1, Semester 2 YB101 Impact Lab 1: Place Create and Represent: YB113 Materials ear 2, Semester 1 TB101 Interior Studio: Interiority YB111 Create and Represent: Form ote: Students considering studying erseas in Year 3 Semester 1 must oply by 1 June. ear 2, Semester 2 YB114 Spatial Histories

TB102 Interior Studio: Inhabitance

### ear 3, Semester 1

YB102 Impact Lab 2: People

Design Specialisation unit

### ear 3, Semester 2

TB205 Design Psychology

Complementary Studies unit

### ear 4, Semester 1

YB112 | Spatial Materiality

Design Specialisation unit

# ear 4, Semester 2

YB201 Impact Lab 3: Planet

A Complementary Studies unit

# Bachelor of Design (Interior Architecture)

Baciloi	or or Booigin (intorior 7 troin		
Year 5, Semester 1			
DTB200	Interior Access and Assemblies		
DTB204	Interior Studio: Inclusion		
Year 5, S	emester 2		
DTB305	Interior Studio: Integration		
DTB306	Interior Systems		
Year 6, S	Year 6, Semester 1		
A Design	Specialisation unit		
A Comple	ementary Studies unit		
Year 6, Semester 2			
One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):			
DYB301	Impact Lab 4: Purpose		
KKB341	Work Integrated Learning 1		
KKB350	Creative Industries Study Tour		
UXB301	Professional Practice		
A Design Specialisation unit			
Year 7, Semester 1			
DTB304	Design in Society		
A Comple	ementary Studies unit		



# **Bachelor of Design (Landscape Architecture)**

Year	2021
QUT code	DE43
CRICOS	096565B
Duration (full-time)	3 years
Duration (part-time domestic)	6 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,500 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	Program Director, School of Design
Discipline Coordinator	Dr Greg Mews +61 7 3138 2000 askqut@qut.edu.au

## **Domestic Assumed** knowledge

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

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

### **Minimum English** requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

To meet the course requirements for the Bachelor of Design (Landscape Architecture), you must complete a total of 288 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the landscape architecture discipline
- · four school-wide impact lab units (48 credit points)
- complementary studies, made up of both: design specialisation units (minimum 48 credit points)a minor, or a combination of design specialisation units and electives (unit options) (48 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

To meet the course requirements for the Bachelor of Design (Landscape Architecture), you must complete a total of 288 credit points, made up of:

a design major (144 credit points),

- including four shared foundation units (48 credit points) and 96 credit points from the landscape architecture discipline
- four school-wide impact lab units (48 credit points)
- complementary studies, made up of both: design specialisation units (minimum 48 credit points)a minor. or a combination of design specialisation units and electives (unit options) (48 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

- Semester 1 (February) commencements
- 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
Semester	1 (February) commencements
Year 1, Semester 1	
DLB101	Landscape Studio 1
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
DYB112	Spatial Materiality
Year 1, S	emester 2
DLB102	Landscape Studio 2
DYB102	Impact Lab 2: People
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, Semester 1	
	Landform Technology and

Year 2, S		emester 1
	DLB201	Landform, Technology and Techniques
	DLB202	Landscape, People and Place Studio
	A Design	Specialisation unit
A Complementary Studies unit		ementary Studies unit

Year 2, Semester 2



### Bachelor of Design (Landscape Architecture)

Dacilei	oi oi Desigii (Lanuscape A		
DLB204	Planting Design		
DYB201 Impact Lab 3: Planet			
A Design	A Design Specialisation unit		
A Comple	ementary Studies unit		
Year 3, S	emester 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			
A Design Specialisation unit			
A Complementary Studies unit			
Year 3, Semester 2			
DLB302	Landscape Materiality and Constructs		
DLB303	Resilient Landscapes Studio		
A Design	A Design Specialisation unit		

### **Semesters**

- Semester 2 (July) commencements

A Complementary Studies unit

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

1001	1, 0011100101	<del>-</del>
Code	Title	

Couc	THIC	
Semester 2 (July) commencements		
Year 1, Semester 2		
DYB101	Impact Lab 1: Place	
DYB113 Create and Represent: Materials		
DYB114 Spatial Histories		
A Complementary Studies unit		
V 0.0		

Year 2, Semester 1		
DLB101	Landscape Studio 1	
DYB102	Impact Lab 2: People	
DYB111	Create and Represent: Form	
DYB112 Spatial Materiality		
Note: Students considering studying		

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

apply by 1 June.			
Year 2, Semester 2			
	DLB102	Landscape Studio 2	
	DLB204	Planting Design	
	DYB201	Impact Lab 3: Planet	
	A Design Specialisation unit		
	Year 3, Semester 1		
	DLB201	Landform, Technology and Techniques	
	DLB202	Landscape, People and Place Studio	

A Design Specialisation unit

A Complementary Studies unit		
Year 3, Semester 2		

DLB302	Landscape Materiality and
	Constructs

DLB303 Resilient Landscapes Studio

A Design Specialisation unit A Complementary Studies unit

### Year 4, Semester 1

DLB301 Landscape Ecology One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):

,	
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
UXB301	Professional Practice

A Design Specialisation unit A Complementary Studies 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
- Year 6, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1 Year 5, Semester 2
- Year 6, Semester 1
- Year 6, Semester 1
- Year 7, Semester 1

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

Year 1, Semester 2 DYB114 | Spatial Histories

Create and Represent: **DYB113** Materials

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

Year 2, Semester 2

DLB102 Landscape Studio 2 DYB102 Impact Lab 2: People

Year 3, Semester 1

Landform, Technology and **DLB201** Techniques

A Design Specialisation unit

#### Year 3, Semester 2

DLB204 Planting Design

A Complementary Studies unit

#### Year 4, Semester 1

Landscape, People and Place DLB202 Studio

A Design Specialisation unit

### Year 4, Semester 2

DYB201 Impact Lab 3: Planet A Complementary Studies unit

#### Year 5, Semester 1

DLB301 Landscape Ecology

A Design Specialisation unit

### Year 5, Semester 2

Landscape Materiality and **DLB302** Constructs

DLB303 Resilient Landscapes Studio

#### Year 6, Semester 1

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

A Complementary Studies unit

#### Year 6, Semester 2

A Design Specialisation unit

A Complementary Studies unit

#### Semester 2 (July) commencements

Year 1, Semester 2

DYB101 Impact Lab 1: Place

Create and Represent: **DYB113** Materials

### Year 2, Semester 1

DYB111 Create and Represent: Form

DYB112 | Spatial Materiality

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

### Year 3, Semester 1

DLB101 Landscape Studio 1

A Design Specialisation unit

Year 3, Semester 2

DLB204 Planting Design



### **Bachelor of Design (Landscape Architecture)**

A Complementary Studies unit

Year 4, Semester 1

DYB102 Impact Lab 2: People

A Design Specialisation unit

Year 4, Semester 2

DYB201 Impact Lab 3: Planet

A Complementary Studies unit

Year 5, Semester 1

DLB201 Landform, Technology and

Techniques

A Design Specialisation unit

Year 5, Semester 2

DLB302 Landscape Materiality and

Constructs

DLB303 Resilient Landscapes Studio

Year 6, Semester 1

DLB202 Landscape, People and Place

Studio

A Complementary Studies unit

Year 6, Semester 1

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

or UXB301):

DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1

KKB350 Creative Industries Study Tour

UXB301 Professional Practice

A Design Specialisation unit

Year 7, Semester 1

DLB301 Landscape Ecology

A Complementary Studies unit



# **Bachelor of Design - International**

Year	2021
QUT code	DE45
CRICOS	096566A
Duration (full-time)	4 years
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February Majors: Architecture, Industrial Design, Interaction Design, Interior Architecture, Landscape Architecture, Visual Communication. Fashion is available in February only.
Int. Start Months	July, February Majors: Architecture, Industrial Design, Interaction Design, Interior Architecture, Landscape Architecture, Visual Communication. Fashion is available in February only.
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design

# 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)

# International Entry requirements

### **Prerequisites for Fashion**

- Successful portfolio; and
- Successful completion of Australian Year 12 or comparable qualification

### **Application checklist**

Please send the following documents along with your <u>F Form</u> to QUT. Applications submitted after November 30 in any given year may not be assessed in time for commencement of study in Semester 1 of the following year. You may post or e-mail your application.

- F Form; and
- Portfolio of your work

Please send copies only – documents will not be returned.

### **Portfolio requirements**

• Portfolio requirements

# Minimum English requirements

Students must meet the 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 Design - International (Architecture)

Year	2021
QUT code	DE45
CRICOS	096566A
Duration (full-time)	4 years
ATAR/Selection rank	91.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design
Discipline Coordinator	Sarah Briant +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)

# International Entry requirements Prerequisites

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

# Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

To meet the course requirements for the Bachelor of Design - International (Architecture), you must complete a total of 384 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the architecture discipline
- four school-wide impact lab units (48 credit points)
- complementary studies, made up of: four architecture design specialisation units (48 credit points)a minor, or a combination of design specialisation units and electives (unit options) (48 credit points).
- an international study year (96 credit points).

Note: Bachelor of Design - International is being introduced progressively, with first year introduced in 2019 and fourth year in 2022.

### **Special conditions**

You'll need to meet certain criteria to be eligible for your exchange year, including:

- be currently enrolled at QUT (not deferred).
- have a GPA of at least 4.50. This must be maintained up until your

- time of departure for exchange.
- you must complete DYB102 Impact Lab 2: People at any stage prior to your exchange.
- be supported by your faculty, who will be asked to confirm your suitability to participate in the exchange program. They will consider any history of not meeting the standards of behaviour outlined in the Student Code of Conduct.
- be financially self-sufficient for the duration of your exchange. You'll need to pay for your own travel and living expenses.
- agree to the key exchange requirements when applying for exchange. These include but are not limited to: Abiding by the QUT code of conduct whilst on exchangeAttending the compulsory pre-departure session. Abiding by all exchange conditions with regards to QUT insurance and registration with Customer Care. More information about this is given on the pre-departure page.

Students who do not meet these requirements will be ineligible.

Where possible QUT will try to ensure students get their preferred study destination, but this cannot be guaranteed. However every student who meets the QUT exchange program requirements, as well as DE45 course requirements, will be able to undertake an overseas study experience.

# **International Course** structure

To meet the course requirements for the Bachelor of Design - International (Architecture), you must complete a total of 384 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the architecture discipline
- four school-wide impact lab units (48 credit points)
- complementary studies, made up of: four architecture design specialisation units (48 credit points)a minor, or a combination of design specialisation units and electives (unit options) (48 credit points).
- an international study year (96 credit points).

Note: Bachelor of Design - International is being introduced progressively, with first year introduced in 2019 and fourth year in 2022.



### Bachelor of Design - International (A

#### Special conditions

You'll need to meet certain criteria to be eligible for your exchange year, including:

- · be currently enrolled at QUT (not deferred).
- have a GPA of at least 4.50. This must be maintained up until your time of departure for exchange.
- you must complete DYB102 Impact Lab 2: People at any stage prior to your exchange.
- be supported by your faculty, who will be asked to confirm your suitability to participate in the exchange program. They will consider any history of not meeting the standards of behaviour outlined in the Student Code of Conduct.
- be financially self-sufficient for the duration of your exchange. You'll need to pay for your own travel and living expenses.
- agree to the key exchange requirements when applying for exchange. These include but are not limited to: Abiding by the QUT code of conduct whilst on exchangeAttending the compulsory pre-departure session. Abiding by all exchange conditions with regards to QUT insurance and registration with Customer Care. More information about this is given on the predeparture page.

Students who do not meet these requirements will be ineligible.

Where possible QUT will try to ensure students get their preferred study destination, but this cannot be guaranteed. However every student who meets the QUT exchange program requirements, as well as DE45 course requirements, will be able to undertake an overseas study experience.

# 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 (Exchange)
  - Year 3, Semester 2 (Exchange)
  - 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 (Exchange)
  - Year 4, Semester 1 (Exchange)
  - Year 4, Semester 2
  - Year 5, Semester 1

rchitecture)		
	1 (February) commencement	
	emester 1	
TCal 1, C	Architectural Design 1:	
DAB101	Explorations	
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
DYB112	Spatial Materiality	
Year 1, S	emester 2	
DAB102	Architectural Design 2: Spaces	
DYB102	Impact Lab 2: People	
DYB113	Create and Represent: Materials	
DYB114	Spatial Histories	
Year 2, S	emester 1	
DAB200	Modern Architecture	
DAB201	Architectural Design 3: Dwelling	
DAB211	Environmental Principles of Architectural Design	
A Comple	ementary Studies unit	
Reminder: You must submit your exchange application by 1 June, for overseas study in Year 3 Semester 1.		
Year 2, S	emester 2	
DAB202	Architectural Design 4: Metro	
DAB212	Small Scale Building Construction	
DYB201	Impact Lab 3: Planet	
A Complementary Studies unit		
Reminder: you must complete DYB102 Impact Lab 2: People prior to your		

DAB202	Architectural Design 4: Metro
DAB212	Small Scale Building Construction
	Impact Lab 3: Planet
A Complementary Studies unit	

02 exchange.

### Year 3, Semester 1 (Exchange)

48 credit points studied overseas

### Year 3, Semester 2 (Exchange)

48 credit points studied overseas

Year 4, Semester 1

	DAB301	Architectural Design 5: Commercial
	DAB311	Systems and Structures
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 Tou

	A Complementary Studies unit	
Year 4,		emester 2
	DAB302	Architectural Design 6: Communities
	DAB303	Integrated Architectural Technology
	DAB312	Building Services
A Complementary Studies unit Semester 2 (July) commencement		ementary Studies unit
		2 (July) commencements

A Complementary Studies unit

DAB102	Architectural Design 2: Spaces	
DYB101	Impact Lab 1: Place	
DYB113	Create and Represent: Materials	
DYB114	Spatial Histories	
Year 2, Semester 1		
rear z, s	emester 1	
DAB101	Architectural Design 1: Explorations	
	Architectural Design 1:	
DAB101	Architectural Design 1: Explorations	

Year 1, Semester 2

_	•	
Year 2, Semester 2		
DAB202	Architectural Design 4: Metro	
DAB212	Small Scale Building Construction	
DYB201	Impact Lab 3: Planet	
A Complementary Studies unit Reminder: You must submit your		

Reminder: you must complete DYB102

Impact Lab 2: People prior to your

exchange.

exchange application by 1 November, for overseas study in Year 4 Semester

Year 3, Semester 1	
DAB200	Modern Architecture
DAB201	Architectural Design 3: Dwelling
DAB311	Systems and Structures
DAB211	Environmental Principles of Architectural Design

### Year 3, Semester 2 (Exchange)

48 credit points studied overseas

### Year 4, Semester 1 (Exchange)

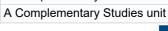
48 credit points studied overseas

	•	
Year 4, Semester 2		emester 2
	DAB302	Architectural Design 6: Communities
	DAB303	Integrated Architectural Technology
	DAB312	Building Services
	A Comple	ementary Studies unit

DAB301	Architectural Design 5: Commercial	

One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or LIXB301):

or oxboor).	
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
UXB301	Professional Practice
A Comple	ementary Studies unit







# Bachelor of Design - International (Interior Architecture)

Year	2021
QUT code	DE45
CRICOS	096566A
Duration (full-time)	4 years
ATAR/Selection rank	91.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design
Discipline Coordinator	Dr Penny Wild +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)

# International Entry requirements Prerequisites

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

# Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

To meet the course requirements for the Bachelor of Design - International (Interior Architecture), you must complete a total of 384 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the interior architecture discipline
- four school-wide impact lab units (48 credit points)
- complementary studies, made up of: design specialisation units (minimum 48 credit points)a minor, or a combination of design specialisation units and electives (unit options) (48 credit points).
- an international study year (96 credit points).

Note: Bachelor of Design - International is being introduced progressively, with first year introduced in 2019 and fourth year in 2022.

### **Special conditions**

You'll need to meet certain criteria to be eligible for your exchange year, including:

- be currently enrolled at QUT (not deferred).
- have a GPA of at least 4.50. This must be maintained up until your time of departure for exchange.

- you must complete DYB102 Impact Lab 2: People at any stage prior to your exchange.
- be supported by your faculty, who will be asked to confirm your suitability to participate in the exchange program. They will consider any history of not meeting the standards of behaviour outlined in the Student Code of Conduct.
- be financially self-sufficient for the duration of your exchange. You'll need to pay for your own travel and living expenses.
- agree to the key exchange requirements when applying for exchange. These include but are not limited to: Abiding by the QUT code of conduct whilst on exchangeAttending the compulsory pre-departure session. Abiding by all exchange conditions with regards to QUT insurance and registration with Customer Care. More information about this is given on the predeparture page.

Students who do not meet these requirements will be ineligible.

Where possible QUT will try to ensure students get their preferred study destination, but this cannot be guaranteed. However every student who meets the QUT exchange program requirements, as well as DE45 course requirements, will be able to undertake an overseas study experience.

# International Course structure

To meet the course requirements for the Bachelor of Design - International (Interior Architecture), you must complete a total of 384 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the interior architecture discipline
- four school-wide impact lab units (48 credit points)
- complementary studies, made up of: design specialisation units (minimum 48 credit points)a minor, or a combination of design specialisation units and electives (unit options) (48 credit points).
- an international study year (96 credit points).

Note: Bachelor of Design - International is being introduced progressively, with first year introduced in 2019 and fourth year in 2022.



### Bachelor of Design - International (

#### Special conditions

You'll need to meet certain criteria to be eligible for your exchange year, including:

- · be currently enrolled at QUT (not
- have a GPA of at least 4.50. This must be maintained up until your time of departure for exchange.
- you must complete DYB102 Impact Lab 2: People at any stage prior to your exchange.
- be supported by your faculty, who will be asked to confirm your suitability to participate in the exchange program. They will consider any history of not meeting the standards of behaviour outlined in the Student Code of Conduct.
- be financially self-sufficient for the duration of your exchange. You'll need to pay for your own travel and living expenses.
- agree to the key exchange requirements when applying for exchange. These include but are not limited to: Abiding by the QUT code of conduct whilst on exchangeAttending the compulsory pre-departure session. Abiding by all exchange conditions with regards to QUT insurance and registration with Customer Care. More information about this is given on the predeparture page.

Students who do not meet these requirements will be ineligible.

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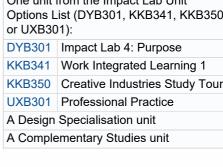
### Sample Structure **Semesters**

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

  - Year 2, Semester 2
  - Year 3, Semester 1 (Exchange)
  - Year 3, Semester 2 (Exchange)
  - 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 (Exchange)
  - Year 4, Semester 1 (Exchange)
  - Year 4, Semester 2
  - Year 5, Semester 1

nterior A	chitecture)
Semester	1 (February) commencements
	emester 1
DTB101	Interior Studio: Interiority
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
DYB112	Spatial Materiality
Year 1, S	emester 2
DTB102	Interior Studio: Inhabitance
DYB102	Impact Lab 2: People
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
Year 2, S	emester 1
DTB200	Interior Access and Assemblies
DTB204	Interior Studio: Inclusion
A Design	Specialisation unit
A Comple	ementary Studies unit
exchange	r: You must submit your e application by 1 June, for study in Year 3 Semester 1.
Year 2, S	emester 2
DTB205	Design Psychology
DYB201	Impact Lab 3: Planet
A Design	Specialisation unit
	ementary Studies unit
	r: you must complete DYB102 ab 2: People prior to your
_	emester 1 (Exchange)
	points studied overseas
Year 3, S	emester 2 (Exchange)
48 credit	points studied overseas
Year 4, S	emester 1
DTB304	Design in Society
	from the Impact Lab Unit .ist (DYB301, KKB341 or :
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
A Design	Specialisation unit
A Complementary Studies unit	
	emester 2
DTB305	Interior Studio: Integration
DTB306	Interior Systems
A Design	Specialisation unit
	•
A Comple	ementary Studies unit
A Comple	ementary Studies unit 2 (July) commencements
A Comple Semester Year 1, S	ementary Studies unit  2 (July) commencements emester 2
A Comple	ementary Studies unit 2 (July) commencements

Year 2, S	emester 1		
DTB101	Interior Studio: Interiority		
	<u>.</u>		
DYB102	Impact Lab 2: People		
DYB111	Create and Represent: Form		
DYB112	Spatial Materiality		
	emester 2		
DTB102	Interior Studio: Inhabitance		
DTB205	Design Psychology		
DYB201	Impact Lab 3: Planet		
A Design	Specialisation unit		
	: You must submit your		
	e application by 1 November, eas study in Year 4 Semester		
1. Overse	as study iii feal 4 Semester		
	emester 1		
	Interior Access and		
DTB200	Assemblies		
DTB204	Interior Studio: Inclusion		
A Design	A Design Specialisation unit		
A Comple	ementary Studies unit		
	: you must complete DYB102		
-	ab 2: People prior to your		
exchange			
	emester 2 (Exchange)		
	points studied overseas		
	emester 1 (Exchange)		
	points studied overseas		
	emester 2		
	Interior Studio: Integration		
	Interior Systems		
	Specialisation unit		
	ementary Studies unit		
	emester 1		
DTB304	Design in Society		
One unit from the Impact Lab Unit			
Options List (DYB301, KKB341, KKB350 or UXB301):			
DYB301	Impact Lab 4: Purpose		
KKB341	Work Integrated Learning 1		
KKB350	Creative Industries Study Tour		
UXB301	Professional Practice		
A Design Specialisation unit			





DYB114 Spatial Histories A Complementary Studies unit



# Bachelor of Design - International (Landscape Architecture)

Year	2021
QUT code	DE45
CRICOS	096566A
Duration (full-time)	4 years
ATAR/Selection rank	91.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design
Discipline Coordinator	Dr Greg Mews +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)

# International Entry requirements Prerequisites

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

# Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

To meet the course requirements for the Bachelor of Design - International (Landscape Architecture), you must complete a total of 384 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the landscape architecture discipline
- four school-wide impact lab units (48 credit points)
- complementary studies, made up of: design specialisation units (minimum 48 credit points)a minor, or a combination of design specialisation units and electives (unit options) (48 credit points).
- an international study year (96 credit points).

Note: Bachelor of Design - International is being introduced progressively, with first year introduced in 2019 and fourth year in 2022.

#### **Special conditions**

You'll need to meet certain criteria to be eligible for your exchange year. Check your eligibility.

You must also complete DYB102 Impact

Lab 2: People at any stage prior to your exchange.

Where possible QUT will try to ensure you get your preferred study destination, but this cannot be guaranteed. However if you meet the QUT exchange program requirements, as well as DE45 course requirements, you will be able to undertake an overseas study experience.

### Study Plan Progression International Course structure

To meet the course requirements for the Bachelor of Design - International (Landscape Architecture), you must complete a total of 384 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the landscape architecture discipline
- four school-wide impact lab units (48 credit points)
- complementary studies, made up of: design specialisation units (minimum 48 credit points)a minor, or a combination of design specialisation units and electives (unit options) (48 credit points).
- an international study year (96 credit points).

Note: Bachelor of Design - International is being introduced progressively, with first year introduced in 2019 and fourth year in 2022.

### **Special conditions**

You'll need to meet certain criteria to be eligible for your exchange year, including:

- be currently enrolled at QUT (not deferred).
- have a GPA of at least 4.50. This must be maintained up until your time of departure for exchange.
- you must complete DYB102 Impact Lab 2: People at any stage prior to your exchange.
- be supported by your faculty, who will be asked to confirm your suitability to participate in the exchange program. They will consider any history of not meeting the standards of behaviour outlined in the Student Code of Conduct.
- be financially self-sufficient for the duration of your exchange. You'll need to pay for your own travel and living expenses.
- agree to the key exchange requirements when applying for exchange. These include but are not limited to: Abiding by the QUT code of conduct whilst on



### Bachelor of Design - International (Landscape Architecture)

exchangeAttending the compulsory pre-departure session. Abiding by all exchange conditions with regards to QUT insurance and registration with Customer Care. More information about this is given on the predeparture page.

Students who do not meet these requirements will be ineligible.

Where possible QUT will try to ensure students get their preferred study destination, but this cannot be guaranteed. However every student who meets the QUT exchange program requirements, as well as DE45 course requirements, will be able to undertake an overseas study experience.

### **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 (Exchange)
- Year 3, Semester 2 (Exchange)
- 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 (Exchange)
- Year 4, Semester 1 (Exchange)
- Year 4, Semester 2
- Year 5, Semester 1

Code	Title
Semester	r 1 (February) commencements
Year 1, S	emester 1
DLB101	Landscape Studio 1
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
DYB112	Spatial Materiality
Year 1, S	emester 2
DLB102	Landscape Studio 2
DYB102	Impact Lab 2: People
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
Year 2, Semester 1	
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
A Design	Specialisation unit
A Complementary Studies unit	
Reminder: You must submit your exchange application by 1 June, for	

overseas study in Year 3 Semester 1.

#### Year 2, Semester 2

DLB204 Planting Design

DYB201 Impact Lab 3: Planet

A Design Specialisation unit A Complementary Studies unit

Reminder: you must complete DYB102 Impact Lab 2: People prior to your exchange.

### Year 3, Semester 1 (Exchange)

48 credit points studied overseas

### Year 3, Semester 2 (Exchange)

48 credit points studied overseas

### 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

A Design Specialisation unit

A Complementary Studies unit

### Year 4, Semester 2

Landscape Materiality and **DLB302** Constructs

DLB303 Resilient Landscapes Studio

A Design Specialisation unit

A Complementary Studies unit

#### Semester 2 (July) commencements

#### Year 1, Semester 2

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

DYB114 Spatial Histories

A Complementary Studies unit

### Year 2, Semester 1

DLB101 Landscape Studio 1 DYB102 Impact Lab 2: People DYB111 | Create and Represent: Form DYB112 | Spatial Materiality

### Year 2, Semester 2

DLB102 Landscape Studio 2 DLB204 Planting Design DYB201 Impact Lab 3: Planet

A Design Specialisation unit

Reminder: You must submit your exchange application by 1 November, for overseas study in Year 4 Semester 1.

### Year 3. Semester 1

	DLB201	Landform, Technology and Techniques
	DLB202	Landscape, People and Place Studio

A Design Specialisation unit

A Complementary Studies unit

Reminder: you must complete DYB102 Impact Lab 2: People prior to your exchange.

### Year 3, Semester 2 (Exchange)

48 credit points studied overseas

### Year 4, Semester 1 (Exchange)

48 credit points studied overseas

#### Year 4, Semester 2

Landscape Materiality and **DLB302** Constructs

**DLB303** Resilient Landscapes Studio

A Design Specialisation unit A Complementary Studies unit

### Year 5, Semester 1

DLB301 Landscape Ecology

One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):

DYB301 Impact Lab 4: Purpose KKB341 Work Integrated Learning 1

KKB350 | Creative Industries Study Tour UXB301 Professional Practice

A Design Specialisation unit

A Complementary Studies unit



# Bachelor of Design (Landscape Architecture) / Master of Landscape Architecture

Year	2021
QUT code	DV43
CRICOS	103171B
Duration (full-time)	4.5 years
Duration (part-time domestic)	9 years
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points) The Master of Landscape Architecture is charged as a domestic tuition fee-paying course. FEE-HELP is available to eligible students.
International fee (indicative)	2021: \$33,500 per year full-time (96 credit points)
Total credit points	432
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design
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)

# Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

This vertical double degree is made up of DV43 Bachelor of Design (Landscape Architecture) plus DE72 Master of Landscape Architecture. You will be able to progress on to the Master of Landscape Architecture upon successful completion of the bachelor degree. The full vertical double degree normally takes 4.5 years to complete full-time (3 years for the bachelor component plus 1.5 years for Master component).

To meet the course requirements for the Bachelor of Design (Landscape Architecture), you must complete a total of 288 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the landscape architecture discipline
- four school-wide impact lab units (48 credit points)
- four postgraduate landscape units (48 credit points)
- complementary studies, made up of a minor, or a combination of design specialisation units and electives (unit options) (48 credit points).

To meet the course requirements for the Master of Landscape Architecture, you must complete a total of 192 credit points, made up of:

 thirteen core units (192 credit points). Three of these units (72 credit points) are 24-credit-point Studio units. Note: The four postgraduate landscape units completed in DV43 Bachelor of Design will contribute to the Master of Landscape Architecture leaving nine core units (144 credit points) remaining.

Some units may be offered fully online or online with a face-to-face component.

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in a creative or non-creative discipline area, depending on how they match with your QUT course.

# International Course structure

This vertical double degree is made up of DV43 Bachelor of Design (Landscape Architecture) plus DE72 Master of Landscape Architecture. You will be able to progress on to the Master of Landscape Architecture upon successful completion of the bachelor degree. The full vertical double degree normally takes 4.5 years to complete full-time (3 years for the bachelor component plus 1.5 years for Master component).

To meet the course requirements for the Bachelor of Design (Landscape Architecture), you must complete a total of 288 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the landscape architecture discipline
- four school-wide impact lab units (48 credit points)
- four postgraduate landscape units (48 credit points)
- complementary studies, made up of a minor, or a combination of design specialisation units and electives (unit options) (48 credit points).

To meet the course requirements for the Master of Landscape Architecture, you must complete a total of 192 credit points, made up of:

 thirteen core units (192 credit points). Three of these units (72 credit points) are 24-credit-point Studio units.

Note: The four postgraduate landscape units completed in DV43 Bachelor of Design will contribute to the Master of



### Bachelor of Design (Landscape Architecture) / Master of Landscape Architecture

Landscape Architecture leaving nine core units (144 credit points) remaining.

Some units may be offered fully online or online with a face-to-face component.

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in a creative or non-creative discipline area, depending on how they match with your QUT course.

### Sample Structure

#### **Semesters**

- Semester 1 (February) commencements
- DV43 Bachelor of Design component
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- **DE72 Master of Landscape** Architecture component
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- Semester 2 (July) commencements
- DV43 Bachelor of Design component
- Year 1, Semester 2 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1
- **DE72 Master of Landscape** Architecture component
- Year 4, Semester 2
- Year 5, Semester 1
- Year 5, Semester 2

Code	Title	
Semester 1 (February) commencements		
DV43 Bad	chelor of Design component	
Year 1, S	emester 1	
DLB101	Landscape Studio 1	
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
DYB112	Spatial Materiality	
Year 1, Semester 2		
DLB102	Landscape Studio 2	
DYB102	Impact Lab 2: People	
DYB113	Create and Represent: Materials	
DYB114	Spatial Histories	
Note: Students considering studying		

overseas in Year 2 Semester 2 must apply by 1 November.

#### Year 2, Semester 1

DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio

A Complementary Studies unit A Complementary Studies unit

### Year 2, Semester 2

DLB204	Planting Design
DYB201	Impact Lab 3: Planet

A Complementary Studies unit

A Complementary Studies unit

#### Year 3, 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
DLN103	Plants for Urban and Natural Systems
DYN102	Research Strategies in Design

### Year 3, Semester 2

DLB302	Constructs
DLB303	Resilient Landscapes Studio
DLN108	Planning and Policy for Contemporary Issues
DYN107	Decolonised Design

At the end of Year 3 Semester 2, upon successful completion of DV43 Bachelor of Design, you will receive an offer for DE72 Master of Landscape Architecture

DE72 Master of Landscape Architecture component

### Year 4, Semester 1

DLN101	Landscape Histories and Criticism
DLN104	Critical Ecologies
DLN111	Studio: Climate-Responsive Design
DYN203	Integrated Professional Practice
Voor / Somostor 2	

### Year 4, Semester 2

DLN115	Studio: Urban Spaces
DYN106	Sustainable Urban Design: Approaches and Principles
DYN207	Management and Administration of Projects

### Year 5, Semester 1

DLN215	Studio: Advanced Practice
DYN211	Studio: Communities
Semester 2 (July) commencements	
DV/43 Bar	chelor of Design component

### Year 1, Semester 2

	impact Lab 1: Place
DYB113	Create and Represent: Materials

DYB114 Spatial Histories A Complementary Studies unit

### Year 2, Semester 1

DLB101	Landscape Studio 1
DYB102	Impact Lab 2: People
DYB111	Create and Represent: Form

DYB112 | Spatial Materiality

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

#### Year 2, Semester 2

DLB102	Landscape Studio 2
DLB204	Planting Design
DYB201	Impact Lab 3: Planet

A Complementary Studies unit

### Year 3, Semester 1

DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio

A Complementary Studies unit

A Complementary Studies unit

### Year 3, Semester 2

DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio

Planning and Policy for **DLN108** Contemporary Issues

DYN107 Decolonised Design

### Year 4, Semester 1

DLB301 Landscape Ecology

One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):

DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1

KKB350 Creative Industries Study Tour

UXB301 Professional Practice Plants for Urban and Natural

**DLN103** Systems DYN102 Research Strategies in Design

At the end of Year 4 Semester 1, upon

successful completion of DV43 Bachelor of Design, you will receive an offer to DE72 Master for Landscape Architecture

DE72 Master of Landscape Architecture component

### Year 4, Semester 2

DLN115	Studio: Urban Spaces
DYN106	Sustainable Urban Design: Approaches and Principles
DYN207	Management and





# Bachelor of Design (Landscape Architecture) / Master of Landscape Architecture

	Administration of Projects	
Year 5, S	Year 5, Semester 1	
DLN101	Landscape Histories and Criticism	
DLN104	Critical Ecologies	
DLN111	Studio: Climate-Responsive Design	
DYN203	Integrated Professional Practice	
Year 5, Semester 2		
DLN215	Studio: Advanced Practice	
DYN211	Studio: Communities	





# **Bachelor of Engineering (Honours)**

Year	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee

# Domestic Assumed knowledge

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

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

# International 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

### **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 - 9	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	



# **Bachelor of Engineering (Honours)**

### 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 - 9	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	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Dr Thomas Rainey +61 7 3138 2000 askqut@qut.edu.au

### Domestic Entry requirements Helping you to get into your course

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

# **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

# Find out more about the QUT College Diploma in Engineering

# **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

# Domestic Assumed knowledge

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

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

# International 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

### **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).



### Bachelor of Engineering (Honours) (Chemical Process)

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 - 8	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 1Year 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	r/Minor Unit	
2nd Major	r/Minor Unit	
Year 3, S	emester 1	
EGB361	Minerals and Minerals Processing	
EGB362	Operations Management and Process Economics	
2nd Majo	r/Minor Unit	
2nd Major	r/Minor Unit	
Year 3, S	emester 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	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Associate Professor Jonathan Bunker +61 7 3138 2000 askqut@qut.edu.au

### Domestic Entry requirements Helping you to get into your course

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

# **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

Find out more about the QUT College Diploma in Engineering

# **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

- Advanced Diploma of Engineering
- Associate Degree in Civil Engeering

Upon completion of the TAFE-Qld courses you will be able to enrol at QUT. You will also automatically receive

- 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student if you complete the advanced diploma
- Up to 1.5 years (144credit points) credit transfer and be able to complete the degree in 2.5 to 3 years as a full-time student if you complete the associate degree

More details will be provided in your QUT conditional offer letter.

# Domestic Assumed knowledge

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

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

# International 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

### **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



### Bachelor of Engineering (Honours) (Civil)

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

odnipic otractare		
Code	Title	
Year 1 - 9	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		

Year 4, Semester 2

1001	7, Ochicster 2	
Code	Title	
Year 2, S	emester 1	
EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport Engineering	
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
Year 2, S	emester 2	
EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	
EGB376	Steel Design	
EGH471	Advanced Water Engineering	
Year 3, S	emester 1	
EGB375	Design of Concrete Structures	
EGH473	Advanced Geotechnical Engineering	
2nd Majo	r/Minor unit	
2nd Major/Minor unit		
Year 3, S	emester 2	
EGH404	Research in Engineering Practice	
EGH472	Advanced Highway and Pavement Engineering	
EGH475	Advanced Concrete Structures	
2nd Majo	r/Minor unit	
Year 4, S	emester 1	
EGH400 -1	Research Project 1	
2nd Major/Minor unit		
2nd Major/Minor unit		
2nd Major/Minor unit		
Year 4, S	emester 2	
EGH400 -2	Research Project 2	
EGH479	Advances in Civil Engineering Practice	
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



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

Year	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Dr Wayne Kelly +61 7 3138 2000 askqut@qut.edu.au

# Domestic Entry requirements Helping you to get into your course

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

# **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

# Find out more about the QUT College Diploma in Engineering

# **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

# Domestic Assumed knowledge

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

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

# International 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

### **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).



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

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 - 8	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		

students on a relatively standard progression, however, depending on which units and second majors/minors you choose, you may need to deviate Kelly, Email: w.kelly@qut.edu.au if you wish to discuss your study plan options.

- Please note -This is an example study plan for
- from that plan. Please contact your Subject Area Coordinator Dr Wayne

### **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

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





# Bachelor of Engineering (Honours) (Electrical and Aerospace)

Year	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Dr Aaron Mcfadyen +61 7 3138 2000 askqut@qut.edu.au

### Domestic Entry requirements Helping you to get into your course

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

# **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

# Find out more about the QUT College Diploma in Engineering

# **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

# Domestic Assumed knowledge

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

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

# International 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

### **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).



### Bachelor of Engineering (Honours) (Electrical and Aerospace)

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 - 8	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	

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## Bachelor of Engineering (Honours) (Electrical)

Year	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Dr Jacob Coetzee +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements Helping you to get into your course

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

## **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

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## **Dual TAFE-Qld Brisbane/QUT** award

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• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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

## International 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

## **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).



## Bachelor of Engineering (Honours) (Electrical)

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 - S	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
- Intermediate Electrical Unit Options List
- Advanced Electrical Unit Options List

Code	Title
Year 2, Semester 1	
CAB202	Microprocessors and Digital

	Systems
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
EGB242	Signal Analysis
Year 2, Semester 2	

Intermediate Electrical Option Unit[1]

Intermediate Electrical Option Unit[2] Intermediate Electrical Option Unit[3]

2nd Major/Minor unit[1]

## Year 3, Semester 1

EGB340 Design and Practice

Advanced Electrical Option Unit[1]

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

2nd Major/Minor unit[3]

### Year 3, Semester 2

Advanced Electrical Option Unit[3]

Advanced Electrical Option Unit[4]

2nd Major/Minor unit[2] or Advanced

Electrical Option Unit [2]

Research in Engineering Practice

### Year 4, Semester 1

EGH400	Bassarah Brainet 1
-1	Research Project 1

2nd Major/Minor unit[4] 2nd Major/Minor unit[5]

2nd Major/Minor unit[6]

#### Year 4, Semester 2

FGH400	Research Project 2
LOITHOU	Research Project 2
2	ricocaron i roject z

Advanced Electrical Option Unit[5]

2nd Major/Minor unit[7]

2nd Major/Minor unit[8]

#### Intermediate Electrical Unit Options List

	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	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Dr Wim Dekkers/Professor Ted Steinberg +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements Helping you to get into your course

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

## **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

## Find out more about the QUT College Diploma in Engineering

## **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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

## International 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

## **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).



## Bachelor of Engineering (Honours) (Mechanical)

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

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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 1Year 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 Majo	2nd Major/Minor unit option		
2nd Majo	2nd Major/Minor unit option		
Year 3, S	Year 3, Semester 1		
EGB316	Design of Machine Elements		
EGB321	Dynamics of Machines		
EGH414	Stress Analysis		
2nd Majo	r/Minor unit option		
Year 3, S	emester 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 Majo	r/Minor unit option		
2nd Majo	r/Minor unit option		
Year 4, Semester 2			
EGH400 -2	Research Project 2		
EGH420	Mechanical Systems Design		
2nd Majo	2nd Major/Minor unit option		
2nd Major/Minor unit option			





## Bachelor of Engineering (Honours) (Mechatronics)

Year	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Associate Professor Luis Alvarez +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements Helping you to get into your course

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

## **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

## Find out more about the QUT College Diploma in Engineering

## **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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

## International 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

## **Professional Recognition**

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

## **Complementary Studies**

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

## Special Course Requirements

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

## International Strudent Entry

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

## **Domestic Course structure**

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

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



## Bachelor of Engineering (Honours) (Mechatronics)

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		

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 Microprocessors and Digital CAB202 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

EGH419 Mechatronics Design 3

2nd Major/Minor unit

Advanced Electrical Unit Option or 2nd Major/Minor unit

Year 3, Semester 2

Research in Engineering EGH404 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 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	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Associate Professor Devakar Epari +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements Helping you to get into your course

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• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, 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.

## Minimum English requirements

Students must meet the 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:

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- 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).



## Bachelor of Engineering (Honours) (Medical)

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** 

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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	MXB161 Computational Explorations	
Year 1 - Semester 2		
MZB126	26 Engineering Computation	
Plus 36cp from ONE of the Engineering Foundation Strands		

LQB187	Human Anatomy	
LQB187 ı	LQB187 replaces LSB131 from 2021	
onwards		
Year 2, Semester 2		
EGB210	Fundamentals of Mechanical Design	
LSB231	Physiology	
2nd Majo	r/Minor unit	
2nd Majo	r/Minor unit	
Year 3, S	emester 1	
EGB319	BioDesign	
EGB323	Fluid Mechanics	
EGH414	4 Stress Analysis	
2nd Major/Minor unit		
Year 3, S	emester 2	
EGH404	Research in Engineering Practice	
EGH418	Biomechanics	
EGH424	Biofluids	
2nd Major/Minor unit		
Ziiu iviajo	r/Minor unit	
,	emester 1	
,		
Year 4, S EGH400	emester 1	
Year 4, S EGH400 -1 EGH438	emester 1  Research Project 1	
Year 4, S EGH400 -1 EGH438 2nd Majo	emester 1  Research Project 1  Biomaterials	
Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo	emester 1  Research Project 1  Biomaterials  r/Minor unit	
Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo	emester 1  Research Project 1  Biomaterials  r/Minor unit  r/Minor unit	
Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo Year 4, S EGH400	emester 1  Research Project 1  Biomaterials  r/Minor unit  r/Minor unit  emester 2	
Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo Year 4, S EGH400 -2 EGH435	Research Project 1  Biomaterials  r/Minor unit  r/Minor unit  emester 2  Research Project 2  Modelling and Simulation for	

#### **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	





## **Bachelor of Urban Development (Honours)**

Year	2021
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,600 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

## Minimum English requirements

Students must meet the 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	2021
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,600 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
Discipline Coordinator	Dr Melissa Teo +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements QUT Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

## Helping you to get into your course

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

## Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer for the following dual TAFE-Qld Greater Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Greater Brisbane is confirmed.

• <u>Diploma of Building and</u> Construction (Management)

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student (or equivalent parttime). More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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

## International 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



## Bachelor of Urban Development (Honours) (Construction Management)

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



## Bachelor of Urban Development (Honours) (Construction Management)

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**

- Year 1, Semester 1
  - Year 1, Semester 2 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
UXB100	Design-thinking for the Built Environment
UXB110	Residential Construction
UXB115	Introduction to Modern Construction Business

3.10 di 0) (	Constituction Management	
Year 1, S	emester 2	
UXB111	Imagine Construction Management	
UXB112	Introduction to Structures	
UXB113	Measurement for Construction	
UXB114	Integrated Construction	
Year 2, S	emester 1	
UXB210	Commercial Construction	
UXB211	Building Services	
UXB213	Advanced Measurement for Construction	
2nd Majo	r/Minor unit	
Year 2, S	emester 2	
LWS012	Urban Development Law	
UXB212	Design for Structures	
UXH315	Construction Estimating	
	r/Minor unit	
Year 3, S	emester 1	
USB300	Property Development	
UXH310	High-rise Construction	
UXH311	Contract Administration	
	r/Minor unit	
Year 3, S	emester 2	
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
UXH312	Construction Legislation	
	r/Minor unit	
Year 4, S	emester 1	
UXH400 -1	Project - Part A	
UXH411	Programming and Scheduling	
2nd Majo	r/Minor unit	
2nd Major/Minor unit		
Year 4, S	emester 2	
UXH400 -2	Project - Part B	
UXH410	Strategic Construction Management	
2nd Major/Minor unit		
2nd Majo	r/Minor unit	



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

Year	2021
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,600 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
Discipline Coordinator	Jason Gray +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank

Find out more about the QUT Year 12
Early Offer Scheme

## Domestic Assumed knowledge

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

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

## International 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)



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

#### 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 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 cap-offer a



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

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

• Year 4, Semester 2		
Code	Title	
Year 1, Semester 1		
BSB113	Economics	
UXB100	Design-thinking for the Built Environment	
UXB110	Residential Construction	
UXB115	Introduction to Modern Construction Business	
Year 1, S	emester 2	
UXB113	Measurement for Construction	
UXB114	Integrated Construction	
UXB120	Introduction to Heavy Engineering Sector Technology	
UXB121	Imagine Quantity Surveying and Cost Engineering	
Year 2, S	emester 1	
UXB210	Commercial Construction	
UXB211	Building Services	
UXB213	Advanced Measurement for Construction	
2nd Majo	r/Minor unit	
Year 2, S	emester 2	
LWS012	Urban Development Law	
UXB220	Services and Heavy Engineering Measurement	

	educting out voying and oc	
UXH315	Construction Estimating	
2nd Major/Minor unit		
Year 3, S	emester 1	
USB300	Property Development	
UXH310	High-rise Construction	
UXH311	Contract Administration	
2nd Major/Minor unit		
Year 3, S	emester 2	
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
UXH321 Cost Planning and Controls		
2nd Major/Minor unit		
Year 4, Semester 1		
UXH400 -1	Project - Part A	
UXH420	Risk Management in the Energy and Resources	
	Sectors	
2nd Majo	Sectors r/Minor unit	
2nd Majo	r/Minor unit	
2nd Majo Year 4, S	r/Minor unit r/Minor unit	
2nd Majo Year 4, S	r/Minor unit r/Minor unit emester 2	
2nd Majo Year 4, S UXH312 UXH400 -2	r/Minor unit r/Minor unit emester 2 Construction Legislation	
2nd Majo Year 4, S UXH312 UXH400 -2 2nd Majo	r/Minor unit r/Minor unit emester 2 Construction Legislation Project - Part B	





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

Year	2021
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,600 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
Discipline Coordinator	Mellini Sloan +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12
Early Offer Scheme

## Domestic Assumed knowledge

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

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

## Minimum English requirements

Students must meet the 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



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

- •Language Minors University Wide Options
- University Wide Minors

## **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



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

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

- Year 4, Semester 2

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





Year	2021
QUT code	ID12
CRICOS	096567M
Duration (full-time)	4 years
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$31,200 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	Program Director, School of Design; Director of Studies, QUT Business School
Discipline Coordinator	Dr Penny Wild (Interior Architecture); Dr Ogan Yigitbasioglu (Accounting); Dr Lisa Schuster (Advertising); Dr Radhika Lahiri (Economics); Associate Professor Peter Verhoeven (Finance); Dr Sherrena Buckby (Financial Planning); Dr Ali Mohammad (Human Resource Management); Dr Alvin Tan (International Business); Dr Kavoos Mohannak (Management); Dr Udo Gottlieb (Marketing); and Associate Professior Amisha Mehta (Public Relations) +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)

And for Accounting, Finance, Financial Planning, Economics and Marketing majors: General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C).

## International Entry requirements

### **Prerequisites**

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

## Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

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

#### **Business component**

You must complete:

- business core units (96 credit points)
- a business major (96 credit points), choosing from: accountingadvertisingeconomicsfina ncefinancial planninghuman resource managementinternational businessmanagementmarketingpubl ic relations.

Accounting students will undertake 6 specified business core units and 10 accountancy major core units in order to meet professional recognition requirements.

### **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.

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

## International Course structure

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

## **Business component**

You must complete:

- business core units (96 credit points)
- a business major (96 credit points), choosing from: accountingadvertisingeconomicsfina ncefinancial planninghuman resource managementinternational businessmanagementmarketingpubl ic relations.

Accounting students will undertake 6 specified business core units and 10 accountancy major core units in order to meet professional recognition requirements.

## **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.

#### Study overseas

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



Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

### Sample Structure **Semesters**

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

	r 4, Semester 2 r 5, Semester 1
Code	Title
Semester	1 (February) commencements
Year 1, S	emester 1
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
Business	School Unit
Business	School Unit
Year 1, S	emester 2
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
Business	School Unit
Business	School Unit

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

### Year 2, Semester 1

DTB101 Interior Studio: Interiority DYB112 | Spatial Materiality

**Business School Unit** 

**Business School Unit** 

### Year 2, Semester 2

DTB102 Interior Studio: Inhabitance DYB102 Impact Lab 2: People

**Business School Unit** 

**Rusiness School Unit** 

### Year 3, Semester 1

Interior Access and **DTB200** Assemblies

DTB204 Interior Studio: Inclusion

**Business School Unit Business School Unit** 

Year 3, Semester 2

DTB205 Design Psychology

DYB201 Impact Lab 3: Planet **Business School Unit** 

**Business School Unit** 

#### 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

**Business School Unit** 

**Business School Unit** 

#### Year 4, Semester 2

DTB305 Interior Studio: Integration

DTB306 Interior Systems

**Business School Unit** 

**Business School Unit** 

### Semester 2 (July) commencements

#### Year 1, Semester 2

DYB101 Impact Lab 1: Place

Create and Represent: DYB113 Materials

**Business School Unit** 

**Business School Unit** 

#### Year 2, Semester 1

DTB101 Interior Studio: Interiority DYB111 | Create and Represent: Form

**Business School Unit** 

**Business School Unit** 

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

#### Year 2, Semester 2

DTB102 Interior Studio: Inhabitance

DYB114 Spatial Histories

**Business School Unit** 

**Business School Unit** 

## Year 3, Semester 1

DYB102 Impact Lab 2: People

DYB112 Spatial Materiality

**Business School Unit** 

**Business School Unit** 

#### Year 3, Semester 2

DTB205 Design Psychology

DYB201 Impact Lab 3: Planet

**Business School Unit** 

**Business School Unit** 

## Year 4, Semester 1

Interior Access and **DTB200** Assemblies

DTB204 Interior Studio: Inclusion

**Business School Unit** 

#### **Business School Unit**

#### Year 4, Semester 2

DTB305 Interior Studio: Integration

DTB306 Interior Systems

**Business School Unit** 

**Business School Unit** 

#### 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

**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
- Year 5, Semester 1

#### Code Title

Semester 1 (February) commencements

### Year 1, Semester 1

DYB101 Impact Lab 1: Place

DYB111 Create and Represent: Form

**Business School Unit** 

**Business School Unit** 

#### Year 1, Semester 2

Create and Represent: DYB113 Materials

DYB114 Spatial Histories

**Business School Unit** 

**Business School Unit** 

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

#### Year 2, Semester 1

DTB101 Interior Studio: Interiority

DYB112 | Spatial Materiality

**Business School Unit** 

**Business School Unit** 

Year 2, Semester 2



	or of Business/Bachelor of
DTB102	Interior Studio: Inhabitance
DYB102	Impact Lab 2: People
	School Unit
	School Unit
Year 3. S	emester 1
	Interior Access and
DTB200	Assemblies
	Interior Studio: Inclusion
	School Unit
	School Unit
	emester 2
	Design Psychology
	Impact Lab 3: Planet
	School Unit
	School Unit
Year 4, S	emester 1
DTB304	Design in Society
	from the Impact Lab Unit .ist (DYB301, KKB341 or :
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Business	School Unit
Business	School Unit
Year 4, S	emester 2
DTB305	Interior Studio: Integration
DTB306	Interior Systems
Business	School Unit
Business	School Unit
Composto	
Semester	r 2 (July) commencements
	r 2 (July) commencements emester 2
	· · · · · · · · · · · · · · · · · · ·
Year 1, S	emester 2 Impact Lab 1: Place Create and Represent:
Year 1, S DYB101 DYB113	emester 2 Impact Lab 1: Place Create and Represent: Materials
Year 1, S DYB101 DYB113 Business	emester 2 Impact Lab 1: Place Create and Represent: Materials School Unit
Year 1, S DYB101 DYB113 Business Business	emester 2 Impact Lab 1: Place Create and Represent: Materials School Unit School Unit
Year 1, S DYB101 DYB113 Business Business Year 2, S	emester 2 Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101	emester 2 Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111	emester 2 Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority Create and Represent: Form
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111 Business	emester 2 Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority Create and Represent: Form School Unit
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111 Business Business	emester 2 Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority Create and Represent: Form School Unit
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111 Business Business Note: Stu	emester 2 Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority Create and Represent: Form School Unit School Unit dents considering studying
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111 Business Business Note: Stu overseas apply by	Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority Create and Represent: Form School Unit School Unit dents considering studying in Year 3 Semester 1 must 1 June.
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111 Business Business Note: Stu overseas apply by	emester 2 Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority Create and Represent: Form School Unit School Unit School Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111 Business Note: Stu overseas apply by Year 2, S DTB102	Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority Create and Represent: Form School Unit School Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Interior Studio: Inhabitance
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111 Business Note: Stu overseas apply by Year 2, S DTB102 DYB114	Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority Create and Represent: Form School Unit School Unit School Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Interior Studio: Inhabitance Spatial Histories
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111 Business Business Note: Stu overseas apply by Year 2, S DTB102 DYB114 Business	Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority Create and Represent: Form School Unit School Unit School Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Interior Studio: Inhabitance Spatial Histories School Unit
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111 Business Note: Stu overseas apply by Year 2, S DTB102 DYB114 Business Business Business	Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority Create and Represent: Form School Unit School Unit School Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Interior Studio: Inhabitance Spatial Histories School Unit School Unit
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111 Business Note: Stu overseas apply by Year 2, S DTB102 DYB114 Business Business Susiness	emester 2 Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority Create and Represent: Form School Unit School Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Interior Studio: Inhabitance Spatial Histories School Unit School Unit
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111 Business Note: Stu overseas apply by Year 2, S DTB102 DYB114 Business Business Business Business	Impact Lab 1: Place Create and Represent: Materials School Unit School Unit Emester 1 Interior Studio: Interiority Create and Represent: Form School Unit School Unit School Unit School Unit Gents considering studying in Year 3 Semester 1 must 1 June. Emester 2 Interior Studio: Inhabitance Spatial Histories School Unit School Unit School Unit School Unit Emester 1 Impact Lab 2: People
Year 1, S DYB101 DYB113 Business Business Year 2, S DTB101 DYB111 Business Note: Stu overseas apply by Year 2, S DTB102 DYB114 Business Business Year 3, S DYB102 DYB112	emester 2 Impact Lab 1: Place Create and Represent: Materials School Unit School Unit emester 1 Interior Studio: Interiority Create and Represent: Form School Unit School Unit dents considering studying in Year 3 Semester 1 must 1 June. emester 2 Interior Studio: Inhabitance Spatial Histories School Unit School Unit

	School Unit
Year 3, S	emester 2
DTB205	Design Psychology
DYB201	Impact Lab 3: Planet
Business	School Unit
Business	School Unit
Year 4, S	emester 1
DTB200	Interior Access and Assemblies
DTB204	Interior Studio: Inclusion
Business	School Unit
Business	School Unit
Year 4, S	emester 2
DTB305	Interior Studio: Integration
DTB306	Interior Systems
Business	School Unit
Business	School Unit
Year 5, S	emester 1
DTB304	Design in Society
	from the Impact Lab Unit .ist (DYB301, KKB341, KKB350 01):
DYB301	Impact Lab 4: Purpose
	\\\\-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
KKB341	Work Integrated Learning 1
KKB341 KKB350	-

#### **Semesters**

• Year 1, Semester 1

**Business School Unit Business School Unit** 

UXB301 Professional Practice

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

Code	Title		
Year 1, S	Year 1, Semester 1		
BSB107	Financial Performance and Responsibility		
BSB108	Business Environment		
Year 1, Semester 2			
BSB111	Business Law and Ethics		
BSB110	Accounting		
Accounta	ncv students undertake		

BSB110 and BSB111 as the Core Option Units to ensure professional

accredita	uon.	
Year 2, Semester 1		
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 2, Semester 2		
AYB225	Management Accounting	
AYB200	Financial Accounting	

Year 3, Semester 1		
AYB221	Accounting Systems and Analytics	
EFB210	Finance 1	
Year 3, S	emester 2	
AYB230	Corporations Law	
AYB219	Taxation Law	
Year 4, Semester 1		
AYB321	Strategic Management Accounting	
AYB340	Company Accounting	
Year 4, Semester 2		
AYB311	Financial Accounting Issues	
AYB301	Audit and Assurance	

#### **Semesters**

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

<ul> <li>Core Options Units List:</li> </ul>		
Code	Title	
Year 1, S	emester 1	
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, S	emester 2	
BSB107	Financial Performance and Responsibility	
Select a unit from the Core Options Unit List		
Year 2, S	emester 1	
AMB200	Consumer Behaviour	
AMB201	Marketing and Audience Analytics	
Year 2, S	emester 2	
AMB220	Advertising Works	
BSB108	Business Environment	
Year 3, S	emester 1	
AMB319	Consumers and Media Channels	
BSB250	Business Citizenship	
Year 3, S	emester 2	
AMB318	Create Advertising	
Select a unit from the Core Options Unit List		
Year 4, S	emester 1	
AMB320	Advertising Management	
AMB330	Digital Optimisation	
Year 4, S	emester 2	



AMB339 Advertising Campaigns

Capstone Core Options Units List:

BSB399

Real World Ready - Business

Select two units (24 credit points) from the following:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

"Select a unit from the Economics Options List or the Core Options Unit List" is repeated 5 times in this course progression. Please note that there are two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groupsmay be undertaken.

#### **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
- **Core Options Units**
- Economics Options List

Code	Title	
Year 1, Semester 1		
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, Semester 2		
BSB108	Business Environment	
BSB107	Financial Performance and Responsibility	
Year 2, Semester 1		

Introduction to Applied EFB222 **Econometrics** 

Select a unit from the Core Options Unit List or The Economics Options List

\*Students undertake EFB222 as one of the Economics Options Units.

#### Year 2, Semester 2

EFB223 Economics 2

Select a unit from the Core Options Unit List or The Economics Options List

#### Year 3, Semester 1

**EFB331** Intermediate Microeconomics Select a unit from the Core Options Unit List or The Economics Options List

### Year 3, Semester 2

BSB250 Business Citizenship

Select a unit from the Core Options Unit List or The Economics Options List

Year 4, Semester 1  BSB399 Real World Ready - Business Capstone  EFB330 Intermediate Macroeconomics  Year 4, Semester 2  EFB338 Contemporary Application of Economic Theory  Select a unit from the Core Options Unit List or The Economics Options List  Core Options Units  Select two units (24 credit points) from the following:  BSB130 Social Enterprises  BSB131 Applied Business Analytics  Undergraduate Business Internship  BSB110 Accounting  BSB111 Business Law and Ethics  Experiential Learning: Innovation, Ideas and Enterprise Skills  Economics Options List  Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Economics Units List:  EFB332 Applied Behavioural Economics  EFB333 Applied Econometrics  EFB334 Applied Econometrics  EFB335 Financial Markets  EFB25 Economics for the Real World Environmental Economics and Policy  EFB336 International Economics	0.9 (			
Capstone  EFB330 Intermediate Macroeconomics  Year 4, Semester 2  EFB338 Contemporary Application of Economic Theory  Select a unit from the Core Options Unit List or The Economics Options List  Core Options Units  Select two units (24 credit points) from the following:  BSB130 Social Enterprises  BSB131 Applied Business Analytics  Undergraduate Business Internship  BSB110 Accounting  BSB111 Business Law and Ethics  Experiential Learning: Innovation, Ideas and Enterprise Skills  Economics Options List  Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Economics  EFB332 Applied Behavioural Economics  EFB333 Applied Econometrics  EFB334 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World Environmental Economics and Policy	Year 4, S	emester 1		
FB338 Contemporary Application of Economic Theory  Select a unit from the Core Options Unit List or The Economics Options List  Core Options Units  Select two units (24 credit points) from the following:  BSB130 Social Enterprises  BSB131 Applied Business Analytics  Undergraduate Business Internship  BSB110 Accounting  BSB111 Business Law and Ethics  Experiential Learning: Innovation, Ideas and Enterprise Skills  Economics Options List  Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Economics  EFB332 Applied Behavioural Economics  EFB333 Applied Econometrics  EFB334 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World Environmental Economics and Policy	BSB399			
EFB338 Contemporary Application of Economic Theory  Select a unit from the Core Options Unit List or The Economics Options List  Core Options Units  Select two units (24 credit points) from the following:  BSB130 Social Enterprises  BSB131 Applied Business Analytics  BSB305 Undergraduate Business Internship  BSB110 Accounting  BSB111 Business Law and Ethics  Experiential Learning: Innovation, Ideas and Enterprises Skills  Economics Options List  Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Econometrics  EFB332 Applied Behavioural Economics  EFB333 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World Environmental Economics and Policy	EFB330	Intermediate Macroeconomics		
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List or The Economics Options List  Core Options Units  Select two units (24 credit points) from the following:  BSB130 Social Enterprises  BSB131 Applied Business Analytics  Undergraduate Business Internship  BSB110 Accounting  BSB111 Business Law and Ethics  Experiential Learning: Innovation, Ideas and Enterprise Skills  Economics Options List  Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Economics  EFB332 Applied Behavioural Economics  EFB333 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World EFB226 Environmental Economics and Policy	EFB338			
Select two units (24 credit points) from the following:  BSB130 Social Enterprises  BSB131 Applied Business Analytics  BSB305 Undergraduate Business Internship  BSB110 Accounting  BSB111 Business Law and Ethics  Experiential Learning: Innovation, Ideas and Enterprise Skills  Economics Options List  Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Econometrics  EFB332 Applied Behavioural Economics  EFB333 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World Environmental Economics and Policy				
the following:  BSB130   Social Enterprises BSB131   Applied Business Analytics BSB305   Undergraduate Business Internship BSB110   Accounting BSB111   Business Law and Ethics   Experiential Learning: Innovation, Ideas and Enterprise Skills   Economics Options List   Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:   Introduction to Applied Econometrics   Applied Behavioural Economics   EFB332   Applied Econometrics   Game Theory and Applications   FB201   Financial Markets   EFB225   Economics for the Real World   Environmental Economics and Policy   Financial Markets   EFB226   Environmental Economics and Policy   Financial Markets   Environmental Economics   Envir	Core Opti	ions Units		
BSB131 Applied Business Analytics BSB305 Undergraduate Business Internship BSB110 Accounting BSB111 Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills Economics Options List Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Econometrics EFB332 Applied Behavioural Economics EFB333 Applied Econometrics EFB337 Game Theory and Applications EFB201 Financial Markets EFB225 Economics for the Real World EFB226 Environmental Economics and Policy				
BSB305 Undergraduate Business Internship BSB110 Accounting BSB111 Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills  Economics Options List Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Econometrics  Applied Behavioural Economics EFB332 Applied Econometrics  EFB333 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World EFB226 Environmental Economics and Policy	BSB130	Social Enterprises		
BSB305 Internship BSB110 Accounting BSB111 Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills  Economics Options List Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Econometrics  EFB332 Applied Behavioural Economics EFB333 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World EFB226 Environmental Economics and Policy	BSB131	Applied Business Analytics		
BSB111 Business Law and Ethics  Experiential Learning: Innovation, Ideas and Enterprise Skills  Economics Options List  Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Econometrics  EFB332 Applied Behavioural Economics  EFB333 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World  EFB226 Environmental Economics and Policy	BSB305			
Experiential Learning: Innovation, Ideas and Enterprise Skills  Economics Options List  Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Econometrics  Applied Behavioural Economics  EFB333 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World EFB226 Environmental Economics and Policy	BSB110	Accounting		
BSB009 Innovation, Ideas and Enterprise Skills  Economics Options List  Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Econometrics  Applied Behavioural Economics  EFB332 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World  EFB226 Environmental Economics and Policy	BSB111	Business Law and Ethics		
Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Econometrics  Applied Behavioural Economics  EFB333 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World EFB226 Environmental Economics and Policy	BSB009	Innovation, Ideas and		
the Quantitative and/or Applied Economics Units List:  EFB222 Introduction to Applied Econometrics  Applied Behavioural Economics  EFB333 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World  EFB226 Environmental Economics and Policy	Economic	cs Options List		
EFB332 Econometrics  Applied Behavioural Economics  EFB333 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World  EFB226 Environmental Economics and Policy	the Quantitative and/or Applied			
EFB332 Economics  EFB333 Applied Econometrics  EFB337 Game Theory and Applications  EFB201 Financial Markets  EFB225 Economics for the Real World  EFB226 Environmental Economics and Policy	EFB222	1		
EFB337 Game Theory and Applications EFB201 Financial Markets EFB225 Economics for the Real World EFB226 Environmental Economics and Policy	EFB332	••		
EFB337 Applications  EFB201 Financial Markets  EFB225 Economics for the Real World  EFB226 Environmental Economics and Policy	EFB333	Applied Econometrics		
EFB225 Economics for the Real World Environmental Economics and Policy	EFB337	I		
EFB226 Environmental Economics and Policy	EFB201	Financial Markets		
Policy	EFB225	Economics for the Real World		
EFB336 International Economics	EFB226			
	EFB336	International Economics		

### **Semesters**

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

• <u>Co</u>	re Options Units	
Code	Title	

Year 1, Semester 1	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility

#### Year 1, Semester 2

**BSB108** Business Environment Select a unit from the Core Options Unit List

Year 2, Semester 1

BSB105	The Future Enterprise
EFB210	Finance 1
Year 2, S	emester 2
EFB201	Financial Markets
	unit from the Core Options Unit
list	
Year 3, S	
EFB343	Corporate Finance
EFB335	Investments
Year 3, S	emester 2
BSB250	Business Citizenship
EFB312	International Finance
Year 4, S	emester 1
BSB399	Real World Ready - Business Capstone
EFB223	Economics 2
Year 4, S	emester 2
EFB360	Finance Capstone
EFB344	Risk Management and Derivatives
Core Opti	ions Units
Select two	o units (24 credit points) from ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

#### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Core Options Units List

Code	Title	
Year 1, Semester 1		
BSB107	Financial Performance and Responsibility	
BSB108	Business Environment	
Year 1, Semester 2		
BSB105	The Future Enterprise	
BSB106	Dynamic Markets	
Year 2, Semester 1		

BSB111 Business Law and Ethics

Select a unit frm the Core Options List

Note: Financial Planning students undertake BSB111 as one of the two Core Options Units for professional accreditation purposes



## Bachelor of Business/Bachelor of D

Year 2, S	emester 2
AYB219	Taxation Law
EFB210	Finance 1
Year 3, S	emester 1
AYB250	Personal Financial Planning
BSB250	Business Citizenship
Year 3, S	emester 2
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, S	emester 1
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4, S	emester 2
AYB346	Financial Plan Construction (Capstone)
BSB399	Real World Ready - Business Capstone
Core Opt	ions Units List
BSB111	Planning students select and one other (12 credit points) Core Options Units List
BSB111	Business Law and Ethics
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

## **Semesters**

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

Code	riue
Year 1, Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, Semester 2	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
MGB21 4	Introducing People Management and Analytics
MGB20 0	Managing People

esign (Interior Architecture)			
Year 2, S	Year 2, Semester 2		
MGB22 9	Obligations and Options for Employing People		
Select a	unit from the Core Options Unit		
Year 3, S	Semester 1		
BSB250	Business Citizenship		
MGB23 0	Recruiting and Selecting People		
Year 3, S	Semester 2		
MGB33	Developing People		
MGB33 9	Managing Performance and Rewards		
Year 4, S	Semester 1		
BSB399	Real World Ready - Business Capstone		
	Select one unit (12 credit points) from the following:		
MGB31 0	Managing Sustainable Change		
MGB33 8	Workplace Learning		
MGB30 6	Independent Study		
Year 4, S	Semester 2		
MGB37	Creating Value through People		
Select a	Select a unit from the Core Options Unit List		
Core Uni	t Options List		
	o units (24 credit points) from Options Unit List:		
BSB130	Social Enterprises		
BSB131	Applied Business Analytics		
BSB305	Undergraduate Business Internship		

## **Semesters**

BSB009

Year 1, Semester 1Year 1, Semester 2

BSB110 Accounting

BSB111 Business Law and Ethics

Enterprise Skills

**Experiential Learning:** 

Innovation, Ideas and

- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units

Code	Title	
Year 1, Semester 1		
BSB106	Dynamic Markets	
BSB108	Business Environment	
Year 1, Semester 2		
BSB105	The Future Enterprise	

BSB107	Financial Performance and Responsibility
Year 2, S	emester 1
AMB210	Importing and Exporting
	unit frm the Core Options List
Year 2, S	emester 2
MGB22	Intercultural Communication
5	and Negotiation Skills
Select a u	unit from the Core Options Unit
Year 3, S	emester 1
AYB227	International Accounting
BSB250	Business Citizenship
Year 3, S	emester 2
FFB240	Finance for International
EFB240	Business
MGB34	International Business in the
0	Asia-Pacific
Year 4, S	emester 1
AMB303	International Logistics
AMB336	International Marketing
Year 4, S	emester 2
AMB369	International Business Strategy
BSB399	Real World Ready - Business Capstone
Core Opt	
	o units (24 credit points) from
the follow	ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and

### **Semesters**

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

**Enterprise Skills** 

- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List

Code	Title	
Year 1, Semester 1		
BSB105	The Future Enterprise	
BSB108	Business Environment	
Year 1, Semester 2		
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Year 2, Semester 1		



MGB22 5	Intercultural Communication and Negotiation Skills
MGB20 0	Managing People
Year 2, Semester 2	
MGB22 6	Innovation, Knowledge and Creativity

Select a unit from the Core Options Unit list

Year 3,	Semester 1
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BSB250 Business Citizenship Select one of the following: MGB21 Managing Operations 0 MGB22 Entrepreneurship

Students undertaking the Management stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete MGB227.

#### Year 3, Semester 2

Select a unit from the Core Options Unit List

Select one of the following:

MGB33 5	Managing Projects
MGB32 4	Managing Business Growth

Students undertaking the Management stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324.

#### Year 4, Semester 1

MGB34

MGB31

1		
BSB399	Real World Ready - Business Capstone	
Year 4, Semester 2		
MGB30 9	Managing Strategically	
Select one of the following:		

Managing Sustainable

Managing Risk

0	Change
MGB33	Workplace Learning

#### Core Options Units List

Select two units (24 credit points) from the following: BSB130 Social Enterprises

BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and

Enterprise Skills

#### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List

Code	Title
Year 1, S	emester 1
BSB106	Dynamic Markets
BSB105	The Future Enterprise
V 4 0	1 0

Financial Performance and **BSB107** Responsibility

Select a unit from the Core Options Unit

#### Year 2, Semester 1

BSB108 Business Environment

Select a unit from the Core Options List

### Year 2, Semester 2

AMB200	Consumer Behaviour
AMB240	Marketing Planning and Management

#### Year 3, Semester 1

AMB202	Integrated Marketing Communication
AMB201	Marketing and Audience Analytics

#### Year 3, Semester 2

BSB250	Business Citizenship
AMB330	Digital Optimisation

#### Year 4, Semester 1

AIVID340	Services Marketing
AMB336	International Marketing

#### Year 4, Semester 2

BSB399	Capstone Ready - Business
AMB359	Strategic Marketing

## Core Options Units List

Select two units (24 credit points) from the following:

ano ronowing.	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

#### **Semesters**

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

<ul> <li>Core Options Units List</li> </ul>		
Code	Title	
Year 1, S	emester 1	
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, S	emester 2	
BSB108	Business Environment	
BSB107	Financial Performance and Responsibility	
Year 2, S	emester 1	
AMB264	Media Relations and Publicity	
AMB263	Introduction to Public Relations	
Year 2, S	emester 2	
AMB201	Marketing and Audience Analytics	
AMB372	Public Relations Planning	
Year 3, S	emester 1	
BSB250	Business Citizenship	
AMB374	Global Public Relations Cases	
Year 3, S	emester 2	
AMB375	Internal Communication and Change	
Select a unit from the Core Options Unit List		
Year 4, Semester 1		
BSB399	Real World Ready - Business Capstone	
AMB373	Issues, Stakeholders and Reputation	

### Year 4, Semester 2

AMB379 Public Relations Campaigns Select a unit from the Core Options Unit List

## Core Options Units List

Select two units (24 credit points) from the following: BSB130 Social Enterprises

DOD 100	Oociai Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills





Year	2021
QUT code	ID12
CRICOS	096567M
Duration (full-time)	4 years
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,800 per year full-time (96 credit points)
International fee (indicative)	2021: \$31,200 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	Program Director, School of Design; Director of Studies, QUT Business School
Discipline Coordinator	Dr Greg Mews (Landscape Architecture); Dr Ogan Yigitbasioglu (Accountancy); Dr Lisa Schuster (Advertising); Dr Radhika Lahiri (Economics); Associate Professor Peter Verhoeven (Finance); Dr Sherrena Buckby (Financial Planning); Dr Ali Mohammad (Human Resource Management); Dr Alvin Tan (International Business); Dr Kavoos Mohannak (Management); Dr Udo Gottlieb (Marketing); and Associate Professior Amisha Mehta (Public Relations) +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)

And for Accountancy, Finance, Financial Planning, Economics and Marketing majors: General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C).

## International Entry requirements

### **Prerequisites**

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

## Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

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

#### **Business component**

You must complete:

- business core units (96 credit points)
- a business major (96 credit points), choosing from: accountingadvertisingeconomicsfina ncefinancial planninghuman resource managementinternational businessmanagementmarketingpubl ic relations.

Accountancy students will undertake 6 specified business core units and 10 accountancy major core units in order to meet professional recognition requirements.

### **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.

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

## International Course structure

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

### **Business component**

You must complete:

- business core units (96 credit points)
- a business major (96 credit points), choosing from: accountingadvertisingeconomicsfina ncefinancial planninghuman resource managementinternational businessmanagementmarketingpubl ic relations.

Accountancy students will undertake 6 specified business core units and 10 accountancy major core units in order to meet professional recognition requirements.

### **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.

#### Study overseas

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



Year 3, Semester 2

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

### Sample Structure Semesters

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

Semester 1 (February) 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

DYB101 Impact Lab 1: Place

Title

Year 1, Semester 1

Code

DLB204	Planting Design
DYB201	Impact Lab 3: Planet
Business	School Unit
Business School Unit	
Year 4, S	emester 1
DLB301	Landscape Ecology
	from the Impact Lab Unit .ist (DYB301, KKB341 or :
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Business	School Unit
	School Unit
Year 4, S	emester 2
DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio
Business	School Unit
Business	School Unit
	2 (July) commencements
Year 1, S	emester 2
DYB101	Impact Lab 1: Place
DYB113	Create and Represent: Materials
Business	School Unit
Business	School Unit
Year 2, S	emester 1
DYB111	Create and Represent: Form
DYB112	Spatial Materiality
Business	School Unit
Business	School Unit
	dents considering studying in Year 3 Semester 1 must 1 June.

	DYB111	Create and Represent: Form
	Business	School Unit
	Business School Unit	
	Year 1, S	emester 2
	DYB113	Create and Represent: Materials
	DYB114	Spatial Histories
	Business School Unit	
Business School Unit		School Unit
	Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
	Vear 2 S	emester 1

Year 2, Semester 1	
DLB101	Landscape Studio 1
DYB112	Spatial Materiality
Business	School Unit
Business School Unit	
Year 2, Semester 2	
DLB102	Landscape Studio 2
DYB102	Impact Lab 2: People

	Business School Unit	
	Year 3, Semester 1	
	DLB201	Landform, Technology and Techniques
	DLB202	Landscape, People and Place Studio
	Business	School Unit
	Business	School Unit

**Business School Unit** 

	- paa		
Business	School Unit		
Business	Business School Unit		
Year 3, S	emester 1		
DLB101	Landscape Studio 1		
DYB102	Impact Lab 2: People		
Business School Unit			
Business School Unit			
Year 3, Semester 2			
DLB204	Planting Design		
DYB201	Impact Lab 3: Planet		
Business School Unit			
Business	School Unit		

Landform, Technology and

Year 2, Semester 2

Year 4, Semester 1

Techniques

**DLB201** 

DLB102 Landscape Studio 2 DYB114 Spatial Histories

DLB202	Landscape, People and Place Studio		
Business	Business School Unit		
Business	School Unit		
Year 4, S	emester 2		
DLB302	Landscape Materiality and Constructs		
DLB303	Resilient Landscapes Studio		
Business	School Unit		
Business School Unit			
Dusiness	SCHOOL CHIL		
	emester 1		
Year 5, S DLB301 One unit	emester 1 Landscape Ecology from the Impact Lab Unit .ist (DYB301, KKB341 or		
Year 5, S DLB301 One unit of Options L	emester 1 Landscape Ecology from the Impact Lab Unit .ist (DYB301, KKB341 or		
Year 5, S DLB301 One unit Options L KKB350):	emester 1  Landscape Ecology from the Impact Lab Unit .ist (DYB301, KKB341 or		
Year 5, S DLB301 One unit Options L KKB350): DYB301	emester 1 Landscape Ecology from the Impact Lab Unit ist (DYB301, KKB341 or Impact Lab 4: Purpose		
Year 5, S DLB301 One unit Options L KKB350): DYB301 KKB341 KKB350	Landscape Ecology from the Impact Lab Unit .ist (DYB301, KKB341 or Impact Lab 4: Purpose Work Integrated Learning 1		
Year 5, S DLB301 One unit Options L KKB350): DYB301 KKB341 KKB350 Business	Landscape Ecology from the Impact Lab Unit ist (DYB301, KKB341 or Impact Lab 4: Purpose Work Integrated Learning 1 Creative Industries Study Tour		

### **Semesters**

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

Code	Title		
Semester	1 (February) commencements		
Year 1, S	Year 1, Semester 1		
DYB101	Impact Lab 1: Place		
DYB111	Create and Represent: Form		
Business	School Unit		
Business School Unit			
Year 1, Semester 2			
DYB113	Create and Represent:		

	Business School Unit	
	emester 2	
	DYB113	Create and Represent: Materials
	DYB114	Spatial Histories
	Business School Unit	
	Business	School Unit
	Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	

rear 2, S	ear 2, Semester 1	
DLB101	Landscape Studio 1	



## Design (Landscape Architecture)

Bachel	or of Business/Bachelor of
DYB112	Spatial Materiality
	School Unit
Business	School Unit
Year 2, S	Semester 2
DLB102	Landscape Studio 2
DYB102	Impact Lab 2: People
Business	School Unit
Business	School Unit
Year 3, S	Semester 1
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
Business	School Unit
Business	School Unit
	Semester 2
	Planting Design
DYB201	Impact Lab 3: Planet
Business	School Unit
	School Unit
Year 4, S	Semester 1
	Landscape Ecology
	from the Impact Lab Unit List (DYB301, KKB341 or :
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Business	School Unit
	School Unit
Year 4, S	Semester 2
DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio
	School Unit
	School Unit
	r 2 (July) commencements
	Semester 2
DYB101	Impact Lab 1: Place
DYB113	Create and Represent: Materials
	School Unit
	School Unit
	Gemester 1  Create and Represent: Form
DYB112	·
	School Unit
	School Unit
Note: Stu	idents considering studying in Year 3 Semester 1 must
	Semester 2
	Landscape Studio 2

DYB114 Spatial Histories

**Business School Unit** 

D	0-1	
	School Unit	
	emester 1	
	Landscape Studio 1	
	Impact Lab 2: People	
	School Unit	
	School Unit	
	emester 2	
DLB204	3 3	
	Impact Lab 3: Planet	
	School Unit	
	School Unit	
Year 4, S	emester 1	
DLB201	Landform, Technology and Techniques	
DLB202	Landscape, People and Place Studio	
Business	School Unit	
Business	School Unit	
Year 4, S	emester 2	
DLB302	Landscape Materiality and Constructs	
DLB303	Resilient Landscapes Studio	
Business	School Unit	
Business	School Unit	
Year 5, S	emester 1	
DLB301	Landscape Ecology	
One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):		
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
UXB301	Professional Practice	
Business School Unit		
Business School Unit		
Semesters  • Year 1, Semester 1  • Year 1, Semester 2  • Year 2, Semester 1		

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

- Year 4, Semester 1Year 4, Semester 2 Title

Code

Year 1, Semester 1	
Financial Performance and Responsibility	
Business Environment	
emester 2	
Business Law and Ethics	
Accounting	
ncy students undertake and BSB111 as the Core nits to ensure professional tion.	

V 2 C	ama atau 1	
Year 2, S	emester 1	
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 2, S	emester 2	
AYB225	Management Accounting	
AYB200	Financial Accounting	
Year 3, Semester 1		
AYB221	Accounting Systems and Analytics	
EFB210	Finance 1	
Year 3, S	emester 2	
AYB230	Corporations Law	
AYB219	Taxation Law	
Year 4, S	emester 1	
AYB321	Strategic Management Accounting	
AYB340	Company Accounting	
Year 4, Semester 2		
AYB311	Financial Accounting Issues	
AYB301	Audit and Assurance	

## **Semesters**

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

- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2Core Options Units List:

Code	Title	
Year 1, Semester 1		
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, S	emester 2	
BSB107	Financial Performance and Responsibility	
Select a unit from the Core Options Unit List		
Year 2, S	emester 1	
AMB200	Consumer Behaviour	
AMB201	Marketing and Audience Analytics	
Year 2, S	emester 2	
AMB220	Advertising Works	
BSB108	Business Environment	
Year 3, S	emester 1	
AMB319	Consumers and Media Channels	
BSB250	Business Citizenship	
Year 3, S	emester 2	
AMB318	Create Advertising	
Select a unit from the Core Options Unit List		
Year 4, S	emester 1	



AMB320 Advertising Management

AMB330	Digital Optimisation
Year 4, S	emester 2
AMB339	Advertising Campaigns
BSB399	Real World Ready - Business Capstone
Core Opt	ions Units List:
Select two	o units (24 credit points) from ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

"Select a unit from the Economics
Options List or the Core Options Unit List"
is repeated 5 times in this course
progression. Please note that there are
two (2) core options units and three (3)
Economics Option Units in this pool. This
has been done to give flexibility of choice
as to when option units from the two
groupsmay be undertaken.

#### **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
- Core Options Units

Year 2, Semester 2 EFB223 Economics 2

Year 3, Semester 1

Economics Options List

Code	Title
Year 1, S	emester 1
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, S	emester 2
BSB108	Business Environment
BSB107	Financial Performance and Responsibility
Year 2, S	emester 1
EFB222	Introduction to Applied Econometrics
	unit from the Core Options Unit e Economics Options List
	s undertake EFB222 as one of omics Options Units.

Select a unit from the Core Options Unit List or The Economics Options List

EFB331 Intermediate Microeconomics

Select a unit from the Core Options Unit List or The Economics Options List
Vear 3 Semester 2

## BSB250 Business Citizenship

Select a unit from the Core Options Unit List or The Economics Options List

#### Year 4, Semester 1

BSB399	Real World Ready - Business Capstone
EFB330	Intermediate Macroeconomics

#### Year 4, Semester 2

	Contemporary Application of
ELD220	Economic Theory

Select a unit from the Core Options Unit List or The Economics Options List

#### **Core Options Units**

Select two units (24 credit points) from the following:

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

#### **Economics Options List**

Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:

EFB222	Introduction to Applied Econometrics
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics
EFB337	Game Theory and Applications
EFB201	Financial Markets
EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB336	International Economics

### **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
- Core Options Units

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility

Y	ear	1	. S	em	es'	ter	2
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BSB108 Business Environment

Select a unit from the Core Options Unit List

#### Year 2, Semester 1

BSB105 The Future Enterprise

EFB210 Finance 1

#### Year 2, Semester 2

EFB201 Financial Markets

Select a unit from the Core Options Unit list

## Year 3, Semester 1

EFB343 Corporate Finance

EFB335 Investments

#### Year 3, Semester 2

BSB250 Business Citizenship

EFB312 International Finance

### Year 4, Semester 1

BSB399 Real World Ready - Business Capstone

EFB223 Economics 2

## Year 4, Semester 2

EFB360 Finance Capstone

EFB344 Risk Management and Derivatives

### Core Options Units

Select two units (24 credit points) from the following:

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting

BSB111 Business Law and Ethics

BSB009 Experiential Learning: Innovation, Ideas and Enterprise Skills

#### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List

Code	Title	
Year 1, Semester 1		
BSB107	Financial Performance and Responsibility	
BSB108	Business Environment	
Year 1, Semester 2		
BSB105	The Future Enterprise	
BSB106	Dynamic Markets	
Year 2, Semester 1		



BSB111	Business Law and Ethics		
	Select a unit frm the Core Options List		
	•		
	Note: Financial Planning students undertake BSB111 as one of the two		
	ions Units for professional		
	accreditation purposes		
Year 2, S	Semester 2		
AYB219	Taxation Law		
EFB210	Finance 1		
Year 3, S	Semester 1		
AYB250	Personal Financial Planning		
BSB250	Business Citizenship		
Year 3, S	Semester 2		
AYB232	Financial Services Regulation		
/ T DZOZ	and Law		
AYB240	Superannuation and		
	Retirement Planning		
Year 4, S	<u> </u>		
Year 4, S	Insurance, Risk Management		
	Insurance, Risk Management and Estate Planning		
	Insurance, Risk Management and Estate Planning Managing Investments and		
EFB227 EFB345	Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships		
EFB227 EFB345 Year 4, S	Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships semester 2		
EFB227 EFB345	Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships semester 2 Financial Plan Construction		
EFB227 EFB345 Year 4, S AYB346	Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships  Gemester 2  Financial Plan Construction (Capstone)		
EFB227 EFB345 Year 4, S	Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships semester 2 Financial Plan Construction		
EFB227 EFB345 Year 4, S AYB346 BSB399	Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships Gemester 2 Financial Plan Construction (Capstone) Real World Ready - Business		
EFB227 EFB345 Year 4, S AYB346 BSB399 Core Opt Financial	Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships Semester 2 Financial Plan Construction (Capstone) Real World Ready - Business Capstone ions Units List Planning students select		
EFB227 EFB345 Year 4, S AYB346 BSB399 Core Opt Financial BSB111	Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships  Gemester 2 Financial Plan Construction (Capstone) Real World Ready - Business Capstone  ions Units List Planning students select and one other (12 credit points)		
EFB227 EFB345 Year 4, S AYB346 BSB399 Core Opt Financial BSB111 from the	Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships Gemester 2 Financial Plan Construction (Capstone) Real World Ready - Business Capstone ions Units List Planning students select and one other (12 credit points) Core Options Units List		
EFB227 EFB345 Year 4, S AYB346 BSB399 Core Opt Financial BSB111 from the BSB111	Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships  Semester 2 Financial Plan Construction (Capstone) Real World Ready - Business Capstone  tions Units List Planning students select and one other (12 credit points) Core Options Units List Business Law and Ethics		
EFB227 EFB345 Year 4, S AYB346 BSB399 Core Opt Financial BSB111 from the	Insurance, Risk Management and Estate Planning Managing Investments and Client Relationships Gemester 2 Financial Plan Construction (Capstone) Real World Ready - Business Capstone ions Units List Planning students select and one other (12 credit points) Core Options Units List		

## **Semesters**

BSB305

BSB009

• Year 1, Semester 1

Internship

BSB110 Accounting

**Undergraduate Business** 

**Experiential Learning:** 

Innovation, Ideas and Enterprise Skills

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

Code	litie		
Year 1, Semester 1			
BSB105 The Future Enterprise			
BSB108	Business Environment		
Year 1, Semester 2			
BSB106	Dynamic Markets		
BSB107	Financial Performance and		

	Responsibility			
Year 2, S	emester 1			
MGB21 4	Introducing People Management and Analytics			
MGB20 0	Managing People			
Year 2, S	emester 2			
MGB22 9	Obligations and Options for Employing People			
Select a	Select a unit from the Core Options Unit List			
Year 3, S	emester 1			
BSB250	Business Citizenship			
MGB23 0	Recruiting and Selecting People			
Year 3, S	emester 2			
MGB33 1	Developing People			
MGB33 9	Managing Performance and Rewards			
Year 4, S	emester 1			
BSB399	Real World Ready - Business Capstone			
Select one unit (12 credit points) fithe following:				
the follow MGB31	ving: Managing Sustainable			
the follow MGB31 0 MGB33	ving: Managing Sustainable Change			
the follow MGB31 0 MGB33 8 MGB30 6	Managing Sustainable Change Workplace Learning			
the follow MGB31 0 MGB33 8 MGB30 6	Managing Sustainable Change Workplace Learning Independent Study			
the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2	Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through			
the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2 Select a List	Managing Sustainable Change Workplace Learning Independent Study emester 2 Creating Value through People			
the follow MGB31 0 MGB33 8 MGB30 6 Year 4, S MGB37 2 Select a List Core Unit	Managing Sustainable Change Workplace Learning Independent Study  emester 2 Creating Value through People unit from the Core Options Unit			

the Core	Options Onit List.
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

#### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Core Options Units

Code	Title
	emester 1
	Dynamic Markets
BSB108	Business Environment
	emester 2
BSB105	The Future Enterprise
BSB107	Financial Performance and Responsibility
Year 2, S	emester 1
AMB210	Importing and Exporting
Select a	unit frm the Core Options List
Year 2, S	emester 2
MGB22	Intercultural Communication
5	and Negotiation Skills
Select a u	unit from the Core Options Unit
Year 3, S	emester 1
	International Accounting
BSB250	Business Citizenship
Year 3, S	semester 2
EFB240	Finance for International Business
MGB34	International Business in the Asia-Pacific
Year 4. S	emester 1
	International Logistics
AMB336	
	Semester 2
	International Business
AMB369	Strategy
BSB399	Real World Ready - Business Capstone
Core Opt	ions Units
Select tw	o units (24 credit points) from ring:
BSB130	Social Enterprises

	•
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

### Semesters

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Core Options Units List

Code Title Year 1, Semester 1



BSB105	The Future Enterprise	
	Business Environment	
Year 1, Semester 2		
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Year 2, Semester 1		
MGB22 5	Intercultural Communication and Negotiation Skills	
MGB20 0	Managing People	
Year 2 S	emester 2	

MGB22	Innovation, Knowledge and
6	Creativity

Select a unit from the Core Options Unit list

DCD250 Business Citizenshin

## Year 3, Semester 1

DSD230	business Citizenship	
Select one of the following:		
MGB21 0	Managing Operations	
MGB22 7	Entrepreneurship	

Students undertaking the Management stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete MGB227.

### Year 3, Semester 2

Select a unit from the Core Options Unit List

Select one of the following:

MGB33 5	Managing Projects
MGB32 4	Managing Business Growth

Students undertaking the Management stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324.

## Year 4, Semester 1

MCB34

1	Managing Risk	
BSB399	Real World Ready - Business Capstone	
Year 4, Semester 2		
MGB30	Managing Strategically	

Select one of the following:

MGB31	Managing Sustainable
0	Change

MGB33 Workplace Learning

### Core Options Units List

Select two units (24 credit points) from the following:

BSB130 | Social Enterprises

BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

#### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise

#### Year 1, Semester 2

	BSB107	Financial Performance and
	D3D101	Responsibility

Select a unit from the Core Options Unit

#### Year 2, Semester 1

BSB108	Business Environment
0-14-	:4 4 41 0 0 4: 1

Select a unit from the Core Options List

## Year 2, Semester 2

AMB200	Consumer Behaviour
AMB240	Marketing Planning and Management

#### Year 3, Semester 1

AMB202	Integrated Marketing Communication
AMB201	Marketing and Audience Analytics

#### Year 3, Semester 2

BSB250	Business Citizenship
VMB330	Digital Ontimisation

#### Year 4, Semester 1

AMB340	Services Marketing
AMB336	International Marketing

## ear 4, Semester 2

RSRRGG	Real World Ready - Business Capstone
AMPOED	Ctratagia Markating

AMB359 Strategic Marketing

### Core Options Units List

Select two units (24 credit points) from the following: DOD400 0--:-1 F--4------

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting

BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

#### **Semesters**

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

•	<u>Core</u>	<u>Option</u>	<u>s Unit</u>	s Lis

<ul> <li>Core Options Units List</li> </ul>			
Code	Title		
Year 1, Semester 1			
BSB106	Dynamic Markets		
BSB105	The Future Enterprise		
Year 1, S	semester 2		
BSB108	Business Environment		
BSB107	Financial Performance and Responsibility		
Year 2, S	Semester 1		
AMB264	Media Relations and Publicity		
AMB263	Introduction to Public Relations		
Year 2, S	semester 2		
AMB201	Marketing and Audience Analytics		
AMB372	Public Relations Planning		
Year 3, S	Semester 1		
DCDOEO	Duningas Citimanahin		

BSB250	Business Citizenship
A NADOZA	Clahal Dublia Dalatiana Caa

AMB374 Global Public Relations Cases

### Year 3, Semester 2

Internal Communication and AMB375 Change

Select a unit from the Core Options Unit

### Year 4, Semester 1

BSB399	Real World Ready - Business Capstone
AMB373	Issues, Stakeholders and Reputation

### Year 4, Semester 2

AMB379 Public Relations Campaigns Select a unit from the Core Options Unit

## Core Options Units List

Select two units (24 credit points) from the following:

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship

BSB110 Accounting

**Business Law and Ethics** BSB111

BSB009 Experiential Learning:

Innovation, Ideas and Enterprise Skills





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

Year	2021
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$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; Dr Jacob Coetzee (Engineering); phone +61 7 3138 2000; email: askqut@qut.edu.au
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) +61 7 3138 2000 askqut@qut.edu.au

## Domestic Assumed knowledge

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

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

# International Entry requirements Prerequisites

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

## International 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

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

## International Course structure

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

### **Design component**

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

### **Engineering component**

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



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

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

## Sample Structure

#### **Semesters**

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

Code	Title	
Semester	1 (February	commenceme

## Year 1, Semester 1

DYB101 Impact Lab 1: Place

Introducing Design **DYB121** 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

ID Studio 1: User Centred **DNB110** Design

DYB122 Design Visualisations

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

Year 3, Semester 1

ID Studio 3: Interaction and **DNB210** Experience

ID Studio 4: Manufacturing **DNB211** Technology

**Engineering Unit** 

**Engineering Unit** 

### Year 3, Semester 2

ID Studio 5: Applied DNB212 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** 

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**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

ID Studio 1: User Centred **DNB110** Design

Introducing Design **DYB121** Fabrication

**Engineering Unit** 

**Engineering Unit** 

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

### Year 2, Semester 2

ID Studio 2: Aesthetics and **DNB111** 

Visualisation

DYB124 Design Consequences

**Engineering Unit** 

**Engineering Unit** 

### Year 3, Semester 1

ID Studio 4: Manufacturing **DNB211** 

Technology

DYB102 Impact Lab 2: People

**Engineering Unit Engineering Unit** 

## Year 3, Semester 2

ID Studio 5: Applied **DNB212** Technology

DYB201 Impact Lab 3: Planet

**Engineering Unit** 

**Engineering Unit** 

### Year 4, Semester 1

ID Studio 3: Interaction and **DNB210** Experience

DYB122 Design Visualisations

**Engineering Unit** 

**Engineering Unit** 

#### Year 4, Semester 2

DNB311 ID Studio 7: Capstone

**Engineering Unit** 

**Engineering Unit** 

## Year 5, Semester 1

DNB310 ID Studio 6: Systems Design

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

DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1

KKB350 Creative Industries Study Tour

**Engineering Unit** 

**Engineering Unit** 

### Year 5, Semester 2

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

#### Year 6, Semester 1

**Engineering Unit Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

## **Semesters**

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



#### Bachelor of Design (Industrial Design) nours)

• Voor	3 - Semester 2	
<ul> <li>Year</li> </ul>	<u> 4 - Semester 1</u>	
<ul><li>Year</li></ul>	4 - Semester 2	
<ul><li>Year</li></ul>	5 - Semester 1	
	5 - Semester 2	
ode	Title	
emester 1 (February) com		

<ul> <li>Year 5 - Semester 2</li> </ul>			
Code	Title		
Semester	1 (February) commencements		
Year 1 - Semester 1			
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 8	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - S	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 8	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 8	Semester 1		
EGB261	Unit Operations		
EGB323	Fluid Mechanics		
	Semester 2		
CVB101			
EGB322	Thermodynamics		
	Semester 1		
EGB262	Process Principles		
EGB362	Operations Management and Process Economics		
	Semester 2		
EGB364	Process Modelling		
EGH411	Industrial Chemistry		
rear 5 - 8	Semester 1 Minerals and Minerals		
EGB361	Processing		
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		

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• Semester 1 (February) commencements

/Bachelor of Engineering (	Hor
<ul> <li>Year 1 - Semester 1</li> <li>Year 1 - Semester 2</li> <li>Year 2 - Semester 1</li> <li>Year 2 - Semester 2</li> <li>Year 3 - Semester 1</li> <li>Year 3 - Semester 2</li> <li>Year 4, Semester 1</li> <li>Year 4 - Semester 2</li> <li>Year 5 - Semester 1</li> <li>Year 5 - Semester 2</li> </ul>	

• <u>Year</u>	r 4 - Semester 2
<ul><li>Year</li></ul>	r 5 - Semester 1
• <u>real</u>	r 5 - Semester 2
Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
	Civil Engineering Systems
Foundation	on Unit Option
Year 3 - 5	Semester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - S	Semester 2
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, S	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - S	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - S	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year <u>5</u> - <u>S</u>	Semester 2
EGH400	
-2	Research Project 2
EGH472	Advanced Highway and
	Pavement Engineering
FOLIATE	Advanced Concrete

EGH475 Advanced Concrete

	Structures
EGH479	Advances in Civil Engineering Practice

#### **Semesters**

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

Code Title

Code	little
Semester	1 (February) commencements
Year 1 - 8	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 8	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - 9	Semester 2
CAB202	Microprocessors and Digital Systems
Intermedi	ate Electrical Option Unit
Year 4 - 9	Semester 1
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - S	Semester 2
CAB403	Systems Programming
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGH400 -1	Research Project 1
CAB302	Software Development
EGH456	Embedded Systems
Advanced	d Computer & Software

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

Systems Option Unit		
Year 5 - 8	Semester 2	
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
Advanced Computer & Software Systems Option Unit		
CAB432	Cloud Computing	

#### **Semesters**

- <u>Semester 1 (February)</u> commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title	
Semester	1 (February) commencements	
Year 1 - 8	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 8	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB120	Foundations of Electrical Engineering	
Year 3 - 9	Semester 1	
EGB240	Electronic Design	
EGB241	Electromagnetics and Machines	
Year 3 - 9	Semester 2	
EGB242	Signal Analysis	
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)		
Intermedi	ate Electrical Option Unit (3)	
Year 5 - S	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 - 5	Semester 2		
EGB345	Control and Dynamic Systems		
EGB346	Unmanned Aircraft Systems		
Year 5 - 8	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**

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title	
Semester 1 (February) commencements		
Year 1 - 8	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - Semester 1		
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering	
Foundation Unit Option		
Year 3 - Semester 1		



EGB314 Strength of Materials

Year 3 - Semester 2

EGB214 Materials and Manufacturing

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

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	

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

Code	Title		
Semester 1 (February) commencements			
Year 1 - 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		
	Engineering Mechanics Semester 2		
	0 0		

Year 3 - Semester 1

EGB211	Dynamics		
EGB242	Signal Analysis		
Year 3 - 8	Year 3 - Semester 2		
CAB202	Microprocessors and Digital Systems		
EGB345	Control and Dynamic Systems		
Year 4 - Semester 1			
EGB220	Mechatronics Design 1		
Intermediate Mechanical Option Unit			
Year 4 - Semester 2			
EGB320	Mechatronics Design 2		
Intermediate Electrical Option Unit			
Year 5 - Semester 1			
Year 5 - 8	Semester 1		
Year 5 - 9 EGH400 -1	Semester 1 Research Project 1		
EGH400			
EGH400 -1 EGH404	Research Project 1 Research in Engineering		
EGH400 -1 EGH404	Research Project 1 Research in Engineering Practice		
EGH400 -1 EGH404 EGH419 EGH445	Research Project 1 Research in Engineering Practice Mechatronics Design 3		
EGH400 -1 EGH404 EGH419 EGH445	Research Project 1 Research in Engineering Practice Mechatronics Design 3 Modern Control		
EGH400 -1 EGH404 EGH419 EGH445 Year 5 - S EGH400 -2	Research Project 1  Research in Engineering Practice  Mechatronics Design 3  Modern Control  Semester 2		
EGH400 -1 EGH404 EGH419 EGH445 Year 5 - S EGH400 -2 Advanced	Research Project 1  Research in Engineering Practice  Mechatronics Design 3  Modern Control  Semester 2  Research Project 2		

#### **Semesters**

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1 Semester 1
- Year 1 Semester 2Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title	
Semester 1 (February) commencements		
Year 1 - 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	
LQB187	Human Anatomy	
LQB187 replaces LSB131 from 2021 onwards		
Year 3 - 8	Semester 2	
EGB211	Dynamics	
LSB231	Physiology	
Year 4 - S	Semester 1	
EGB214	Materials and Manufacturing	
EGB323	Fluid Mechanics	
Year 4 - Semester 2		
EGB210	Fundamentals of Mechanical Design	
EGH404	Research in Engineering Practice	
Year 5 - 8	Semester 1	
EGB319	BioDesign	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH418	Biomechanics	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	
EGH438	Biomaterials	





Year	2021
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$7,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$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; Dr Jacob Coetzee (Engineering); phone +61 7 3138 2000; email: askqut@qut.edu.au
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

+61 7 3138 2000

askqut@qut.edu.au

Devakar Epari (Medical)

# Domestic Assumed knowledge

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

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

# International Entry requirements Prerequisites

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

# International 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

# Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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

# Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# Sample Structure

#### **Semesters**

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

Code	Title	

# Semester 1 (February) commencements

# Year 1, Semester 1

DYB101 Impact Lab 1: Place

Introducing Design **DYB121** 

Fabrication

**Engineering Unit** 

**Engineering Unit** 

## Year 1, Semester 2

DYB102 Impact Lab 2: People

DYB123 Emerging Design Technology

**Engineering Unit** 

**Engineering Unit** 

## Year 2, Semester 1

DXB110

Principles of Interaction Design

DYB122 Design Visualisations

**Engineering Unit** 

### **Engineering Unit**

### Year 2, Semester 2

DXB111 Introduction to Web Design

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** 

# 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** 

#### Year 2, Semester 1

**DYB121** 

Introducing Design Fabrication

DYB122 Design Visualisations

**Engineering Unit** 

**Engineering Unit** 

Year 2, Semester 2

DYB124 Design Consequences

DXB111 Introduction to Web Design

Engineering Unit

**Engineering Unit** 

# Year 3, Semester 1

Principles of Interaction DXB110

Design

DXB211 | Creative Coding

**Engineering Unit** 

**Engineering Unit** 

# Year 3, Semester 2

DYB102 Impact Lab 2: People

DXB212 Tangible Media

**Engineering Unit** 

**Engineering Unit** 

# Year 4, Semester 1

DXB210 Critical Experience Design

DXB310 | Augmented Interactions

**Engineering Unit** 

**Engineering Unit** 

#### Year 4, Semester 2

Advanced Interaction Design **DXB311** Project

**Engineering Unit** 

**Engineering Unit** 

# Year 5, Semester 1

DYB201 Impact Lab 3: Planet

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

DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1

KKB350 | Creative Industries Study Tour

**Engineering Unit** 

**Engineering Unit** 

# Year 5, Semester 2

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

### **Engineering Unit**

Year 6, Semester 1 **Engineering Unit** 

**Engineering Unit Engineering Unit** 

**Engineering Unit** 

# **Semesters**

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



•	Year	5 -	Semes	ster	1
		_	_		_

• Year 5 - Semester 2

• <u>Year</u>	r 5 - Semester 2	
Code	Title	
Semester	1 (February) commencements	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 8	Semester 1	
EGB261	Unit Operations	
EGB323	Fluid Mechanics	
Year 3 - 8	Semester 2	
CVB101	General Chemistry	
EGB322	Thermodynamics	
Year 4 - S	Semester 1	
EGB262	Process Principles	
EGB362	Operations Management and Process Economics	
Year 4 - 9	Semester 2	
EGB364	Process Modelling	
EGH411	Industrial Chemistry	
Year 5 - Semester 1		
EGB361	Minerals and Minerals Processing	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH463	Plant and Process Design	
Year 5 - 9	Semester 2	
EGH400 -2	Research Project 2	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
EGH462	Process Control	
Semesters		

#### Semesters

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

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

• Year 4, Semester 1			
<ul> <li>Yea</li> </ul>	<ul> <li>Year 4 - Semester 2</li> </ul>		
<ul><li>Year 5 - Semester 1</li><li>Year 5 - Semester 2</li></ul>			
Code	Title		
	1 (February) commencements		
Year 1 - 8	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
	Semester 2		
EGB123	Civil Engineering Systems		
	on Unit Option		
	Semester 1		
EGB270			
EGB272	Traffic and Transport Engineering		
Vear 3 - 9	Semester 2		
EGB273			
EGB373	Geotechnical Engineering		
	emester 1		
EGB275	Structural Mechanics		
EGB371			
	Engineering Hydraulics		
	Semester 2		
EGB376	Steel Design		
EGH471	Advanced Water Engineering		
	Semester 1		
EGB375	Design of Concrete Structures		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH473	Advanced Geotechnical Engineering		
Year 5 - S	Semester 2		
EGH400 -2	Research Project 2		
EGH472	Advanced Highway and Pavement Engineering		
EGH475	Advanced Concrete Structures		

Advances in Civil Engineering

#### **Semesters**

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

Code	Title	
Semester	1 (February) commencements	
Year 1 - 8	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 8	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 8	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 8	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 8	Semester 1	
CAB201	Programming Principles	
EGB242	Signal Analysis	
Year 3 - 8	Semester 2	
CAB202	Microprocessors and Digital Systems	
Intermedi	ate Electrical Option Unit	
Year 4 - 8	Semester 1	
EGB240	Electronic Design	
CAB301	Algorithms and Complexity	
Year 4 - 9	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	1 O 0 O - ff	
Systems	d Computer & Software Option Unit	
-		



EGH479

Practice

EGH455	Advanced Systems Design	
	Advanced Computer & Software Systems Option Unit	
CAB432	Cloud Computing	

#### **Semesters**

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

• Year 5 - Semester 2			
Code	Title		
Semester	1 (February) commencements		
Year 1 - 9	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - S	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 9	Semester 2		
CAROOS	Microprocessors and Digital		
CAB202	Systems		
EGB120	Systems Foundations of Electrical Engineering		
EGB120	Foundations of Electrical		
EGB120	Foundations of Electrical Engineering Semester 1		
EGB120 Year 3 - S	Foundations of Electrical Engineering Semester 1		
EGB120 Year 3 - 5 EGB240 EGB241	Foundations of Electrical Engineering Semester 1 Electronic Design Electromagnetics and		
EGB120 Year 3 - S EGB240 EGB241 Year 3 - S	Foundations of Electrical Engineering Semester 1 Electronic Design Electromagnetics and Machines		
EGB120 Year 3 - S EGB240 EGB241 Year 3 - S EGB242	Foundations of Electrical Engineering Semester 1 Electronic Design Electromagnetics and Machines Semester 2		
EGB120 Year 3 - S EGB240 EGB241 Year 3 - S EGB242 Intermedi EGB348 requisite	Foundations of Electrical Engineering  Semester 1  Electronic Design  Electromagnetics and Machines  Semester 2  Signal Analysis ate Electrical Option Unit (1) can be selected from the list. A waiver for this unit will be if you are enrolled in EGB242 at		
EGB120 Year 3 - \$ EGB240 EGB241 Year 3 - \$ EGB242 Intermedi EGB348 requisite granted if the same	Foundations of Electrical Engineering  Semester 1  Electronic Design  Electromagnetics and Machines  Semester 2  Signal Analysis ate Electrical Option Unit (1) can be selected from the list. A waiver for this unit will be if you are enrolled in EGB242 at		

**Foundation Unit Option** Year 4 - Semester 2

Year 5 - Semester 1

Intermediate Electrical Option Unit (2) Intermediate Electrical Option Unit (3)

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)		
0 1 -		

#### **Semesters**

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

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

#### **Semesters**

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

	<u> </u>	
Code	Title	
Semester 1 (February) commencements		
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - Semester 1		
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
EGB214	Materials and Manufacturing	
EGB314	Strength of Materials	
Year 3 - S	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	



Year 4 - Semester 1			
EGB321	Dynamics of Machines		
EGB323	Fluid Mechanics		
Year 4 - Semester 2			
EGB322	Thermodynamics		
EGH404	Research in Engineering Practice		
Year 5 - 8	Semester 1		
EGB316	Design of Machine Elements		
EGH400 -1	Research Project 1		
EGH414	Stress Analysis		
EGH421	Vibration and Control		
Year 5 - Semester 2			
	5011100101 =		
EGH400 -2	Research Project 2		
	Research Project 2		
-2 EGH420	Research Project 2		

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

Code	Title	
Semester 1 (February) commencements		
Year 1 - 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 - S	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 - 9	Year 4 - Semester 1		
EGB220	Mechatronics Design 1		
Intermedi	ate Mechanical Option Unit		
Year 4 - 8	Semester 2		
EGB320	Mechatronics Design 2		
Intermedi	Intermediate Electrical Option Unit		
Year 5 - Semester 1			
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH419	Mechatronics Design 3		
EGH445	Modern Control		
Year 5 - Semester 2			
EGH400 -2	Research Project 2		
Advanced Mechanical Option Unit			
EGH446	Autonomous 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		
	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			

5)		
ECD244	Strangth of Matariala	
	Strength of Materials	
LQB187	Human Anatomy	
LQB187 replaces LSB131 from 2021		
onwards		
	Semester 2	
EGB211	- <b>,</b>	
LSB231	Physiology	
Year 4 - 8	Semester 1	
EGB214	Materials and Manufacturing	
EGB323	Fluid Mechanics	
Year 4 - S	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 1	
EGB319	BioDesign	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH418	Biomechanics	
Year 5 - 8	Semester 2	
EGH400 -2	Research Project 2	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	
EGH438	Biomaterials	





Year	2021
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$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; Dr Jacob Coetzee (Engineering); phone +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	Dr Greg 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) +61 7 3138 2000

askqut@qut.edu.au

# Domestic Assumed knowledge

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

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

# International Entry requirements Prerequisites

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

# International Subject prerequisites

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

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

# Minimum English requirements

Students must meet the English proficiency requirements.

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

#### **Domestic Course structure**

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

#### Design component

You will complete:

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

# **Engineering component**

Your engineering studies will include:

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

You must choose a major from:

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

# Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

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

#### **Design component**

You will complete:

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

# **Engineering component**

Your engineering studies will include:

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

You must choose a major from:

· chemical process engineering





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

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# Sample Structure

#### **Semesters**

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

Code	Title	

# Semester 1 (February) commencements

DYB101 Impact Lab 1: Place

DYB111 | Create and Represent: Form

**Engineering Unit** 

Year 1, Semester 1

**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

**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

Landform, Technology and **DLB201** Techniques

Landscape, People and Place

**Engineering Unit Engineering Unit** 

**DLB202** 

# 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

Landscape Materiality and **DLB302** 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

Landform, Technology and **DLB201** Techniques

Landscape, People and Place **DLB202** 

Studio

**Engineering Unit Engineering Unit** 

# Year 4, Semester 2

Landscape Materiality and **DLB302** Constructs

DLB303 Resilient Landscapes Studio

**Engineering Unit** 

**Engineering Unit** 

## Year 5, Semester 1

DLB301 Landscape Ecology

One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):

DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1

KKB350 Creative Industries Study Tour

UXB301 Professional Practice

**Engineering Unit Engineering Unit** 

# Year 5, Semester 2

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

# **Engineering Unit** Year 6, Semester 1

**Engineering Unit Engineering Unit** 





**Engineering Unit Engineering Unit** 

#### **Semesters**

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

Code	Title
Semester	1 (February) commencements

# Year 1, Semester 1

DYB101 Impact Lab 1: Place

DYB111 | Create and Represent: Form

**Engineering Unit** 

**Engineering Unit** 

### Year 1, Semester 2

Create and Represent: **DYB113** Materials

DYB114 Spatial Histories

**Engineering Unit** 

**Engineering Unit** 

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

#### Year 2, Semester 1

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
DI Bana	Landscape, People and Place

**DLB202** 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

DI DOOO	Landscape Materiality and
DLB302	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

Landform, Technology and **DLB201** Techniques

Landscape, People and Place **DLB202** Studio

**Engineering Unit** 

**Engineering Unit** 

# Year 4, Semester 2

Landscape Materiality and DLB302 Constructs

DLB303 Resilient Landscapes Studio

**Engineering Unit** 

**Engineering Unit** 

# Year 5, Semester 1

DLB301 Landscape Ecology

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

DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1

KKB350 Creative Industries Study Tour

**Engineering Unit** 

**Engineering Unit** 

# Year 5, Semester 2

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit Engineering Unit** 

# Year 6, Semester 1

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

## **Semesters**

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

• Year 5 - Semester 2

Code Title

Semester 1 (February) commencements

Year 1 - Semester 1



	or or Booigir (Earlaceape /		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 9	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - S	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 3	Semester 1		
EGB261	Unit Operations		
EGB323	Fluid Mechanics		
Year 3 - 8	Semester 2		
CVB101	General Chemistry		
EGB322	Thermodynamics		
Year 4 - Semester 1			
EGB262	Process Principles		
EGB362	Operations Management and Process Economics		
Year 4 - Semester 2			
EGB364	Process Modelling		
EGH411	Industrial Chemistry		
Year 5 - 8	Semester 1		
EGB361	Minerals and Minerals Processing		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH463	Plant and Process Design		
Year 5 - 5	Semester 2		
EGH400 -2	Research Project 2		
EGH422 Advanced Thermodynami			
EGH423	Fluids Dynamics		
EGH462	Process Control		
Semeste	ers		

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- <u>Semester 1 (February)</u> commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4, Semester 1
- Year 4 Semester 2Year 5 Semester 1
- Year 5 Semester 2

Ч	intecture / bachelor of Engineering				
	Code	Title			
	Semester 1 (February) commencements				
	Year 1 - S	Semester 1			
	EGB113	Energy in Engineering Systems			
	MZB125	Introductory Engineering Mathematics			
	OR				
	MXB161	Computational Explorations			
	Year 1 - Semester 2				
		Engineering Sustainability and			

# 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

Year 3 - Semester 1		
EGB270 Civil Engineering Mater		
EGB272	Traffic and Transport Engineering	

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EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	

# Year 4, Semester 1

,	
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics

Year	4 -	Semester	2

EGB3/6	Steel Design		
EGH471	Advanced Water Engineering		

# Year 5 - Semester 1

	EGB3/5	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**

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

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

Tour of Commoder E				
Code Title				
Semester	1 (February) commencements			
Year 1 - 9	Semester 1			
EGB113	Energy in Engineering Systems			
MZB125	Introductory Engineering Mathematics			
OR				
MXB161	Computational Explorations			
Year 1 - S	Semester 2			
EGB100	Engineering Sustainability and Professional Practice			
MZB126	Engineering Computation			
Year 2 - 9	Semester 1			
EGB111	Foundation of Engineering Design			
EGB121	Engineering Mechanics			
Year 2 - 9	Semester 2			
EGB120	Foundations of Electrical Engineering			
Foundation	on Unit Option			
Year 3 - 8	Semester 1			
CAB201	Programming Principles			
EGB242 Signal Analysis				
Year 3 - 9	Semester 2			
CAB202	Microprocessors and Digital Systems			
Intermedi	ate Electrical Option Unit			
Year 4 - 5	Semester 1			
EGB240	Electronic Design			
CAB301	Algorithms and Complexity			
Year 4 - S	Semester 2			
CAB403	Systems Programming			
EGH404	Research in Engineering Practice			
Year 5 - Semester 1				
EGH400 -1	Research Project 1			
CAB302	Software Development			
EGH456	Embedded Systems			
	Computer & Software Option Unit			
Year 5 - Semester 2				

Research Project 2

EGH455 | Advanced Systems Design

Advanced Computer & Software

CAB432 Cloud Computing



Systems Option Unit

EGH400

-2



#### **Semesters**

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

•	Year	5 -	Semes	ster 2

• Year 5 - Semester 2						
Code Title						
Semeste	r 1 (February) commencements					
Year 1 - 9	Semester 1					
EGB113	EGB113 Energy in Engineering Systems					
MZB125	Introductory Engineering Mathematics					
OR						
MXB161						
Year 1 - 9	Semester 2					
EGB100	Engineering Sustainability and Professional Practice					
MZB126	Engineering Computation					
Year 2 - 9	Semester 1					
EGB111	Foundation of Engineering Design					
EGB121	Engineering Mechanics					
Year 2 - 9	Semester 2					
CAB202	Microprocessors and Digital Systems					
EGB120	Foundations of Electrical Engineering					
Year 3 - 3	Semester 1					
EGB240	Electronic Design					
EGB241	EGB241 Electromagnetics and Machines					
Year 3 - 3	Semester 2					
EGB242	Signal Analysis					
Intermediate Electrical Option Unit (1)						
EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time.						
Year 4 - Semester 1						
EGB340 Design and Practice						
Foundation Unit Option						
Year 4 - Semester 2						
Intermediate Electrical Option Unit (2)						
Intermediate Electrical Option Unit (3)						
Year 5 - Semester 1						
EGH400	Research Project 1					

Practice Advanced Electrical Option Unit (1)

EGH404

Research in Engineering

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					
	<u>r 1 - Semester 2</u> r 2 - Semester 1				
• Year 2 - Semester 2					
• Yea	<u>r 3 - Semester 1</u>				
	r 3 - Semester 2				
• <u>Yea</u>	r 4 - Semester 1 r 4 - Semester 2				
	r 5 - Semester 1				
	r 5 - Semester 2				
Code	Title				
	1 (February) commencements				
	Semester 1				
E00440	Energy in Engineering				
EGB113	Systems				
MZB125	Introductory Engineering Mathematics				
MXB161	Computational Explorations				
Year 1 - S	Semester 2				
E00400	Engineering Sustainability and				
EGB100	Professional Practice				
MZB126	Engineering Computation				
Year 2 - S	Semester 1				
EGB111 Foundation of Engineering Design					
EGB121 Engineering Mechanics					
Year 2 - Semester 2					
EGB120 Foundations of Electrical Engineering					
Foundation	on Unit Option				
	Semester 1				
CAB202 Microprocessors and Digital Systems					
EGB240	Electronic Design				
Year 3 - Semester 2					
FGB242	Signal Analysis				
Intermediate Electrical Option Unit					
Year 4 - Semester 1					
EGB243					
Systems Engineering and					
Pesign Project Year 4 - Semester 2					
EGB345	Control and Dynamic Systems				
EGB346 Unmanned Aircraft Systems					
Year 5 - Semester 1					
EGH400	Research Project 1				

EGH404	Research in Engineering Practice			
EGH446	Autonomous Systems			
Advanced	l Electrical Option Unit			
Year 5 - 8	Year 5 - Semester 2			
EGH400 -2	Research Project 2			
EGH445 Modern Control				
EGH450 Advanced Unmanned Airc 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 1Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1Year 5 Semester 2

• rear 5 - Semester 2					
Code	Title				
Semeste	1 (February) commencements				
Year 1 - Semester 1					
EGB113	Energy in Engineering Systems				
MZB125	Introductory Engineering Mathematics				
OR					
MXB161	Computational Explorations				
Year 1 - 9	Semester 2				
EGB100	Engineering Sustainability and Professional Practice				
MZB126	Engineering Computation				
Year 2 - 9	Semester 1				
EGB111	Foundation of Engineering Design				
EGB121	Engineering Mechanics				
Year 2 - 9	Semester 2				
EGB120	Foundations of Electrical Engineering				
Foundation	on Unit Option				
Year 3 - S	Semester 1				
EGB214	Materials and Manufacturing				
EGB314	Strength of Materials				
Year 3 - Semester 2					
EGB210	Fundamentals of Mechanical Design				
EGB211	Dynamics				
Year 4 - 9	Semester 1				
EGB321	Dynamics of Machines				
EGB323	Fluid Mechanics				
	Semester 2				



EGB322 Thermodynamics

Intermediate Mechanical Option Unit

EGH404 Research in Engineering Practice				
Year 5 - 8	Semester 1			
EGB316	Design of Machine Elements			
EGH400 -1	Research Project 1			
EGH414	Stress Analysis			
EGH421	Vibration and Control			
Year 5 - Semester 2				
EGH400 -2	Research Project 2			
EGH420	Mechanical Systems Design			
EGH422	2 Advanced Thermodynamics			
EGH423	Fluids Dynamics			

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

micomioan	ato moonamoar option on
Year 4 - S	Semester 2
EGB320	Mechatronics Design 2
Intermedia	ate Electrical Option Unit
Year 5 - S	Gemester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
Advanced	Mechanical Option Unit
EGH446	Autonomous Systems
Advanced	Electrical Option Unit
Semeste	
• Sem	ester 1 (February)

- iary) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1 Year 3 - Semester 2
- Year 4 Semester 1 Year 4 Semester 2
- Year 5 Semester 1 Year 5 Semester 2

Code	Title	
Semester	1 (February) commencements	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on 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	

• Year 5 - Semester 2		
Code	Title	
Semester	1 (February) commencements	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - Semester 1		
EGB314	Strength of Materials	
LQB187	Human Anatomy	
LQB187 replaces LSB131 from 2021 onwards		
Year 3 - S	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 Research Project 1 EGH414 Stress Analysis EGH418 Biomechanics Year 5 - Semester 2 EGH400 Research Project 2 EGH400 Research Project 2 EGH401 Research Project 2 EGH402 Research Project 2 EGH403 Modelling and Simulation for Medical Engineers EGH438 Biomaterials			
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 Research Project 1  EGH414 Stress Analysis  EGH418 Biomechanics  Year 5 - Semester 2  EGH400 Research Project 2  EGH424 Biofluids  Modelling and Simulation for Medical Engineers	EGB211	Dynamics	
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 EGH424 Biofluids EGH435 Modelling and Simulation for Medical Engineers	LSB231	Physiology	
Year 4 - Semester 2  EGB210 Fundamentals of Mechanical Design  EGH404 Research in Engineering Practice  Year 5 - Semester 1  EGB319 BioDesign  EGH400 Research Project 1  EGH414 Stress Analysis  EGH418 Biomechanics  Year 5 - Semester 2  EGH400 Research Project 2  EGH400 Research Project 2  EGH424 Biofluids  Modelling and Simulation for Medical Engineers	Year 4 - S	Semester 1	
Year 4 - Semester 2  EGB210 Fundamentals of Mechanical Design  EGH404 Research in Engineering Practice  Year 5 - Semester 1  EGB319 BioDesign  EGH400 Research Project 1  EGH414 Stress Analysis  EGH418 Biomechanics  Year 5 - Semester 2  EGH400 Research Project 2  EGH400 Research Project 2  EGH424 Biofluids  Modelling and Simulation for Medical Engineers	EGB214	Materials and Manufacturing	
EGB210 Fundamentals of Mechanical Design  EGH404 Research in Engineering Practice  Year 5 - Semester 1  EGB319 BioDesign  EGH400 Research Project 1  EGH414 Stress Analysis  EGH418 Biomechanics  Year 5 - Semester 2  EGH400 Research Project 2  EGH424 Biofluids  Modelling and Simulation for Medical Engineers	EGB323	Fluid Mechanics	
EGB210 Design  EGH404 Research in Engineering Practice  Year 5 - Semester 1  EGB319 BioDesign  EGH400 Research Project 1  EGH414 Stress Analysis  EGH418 Biomechanics  Year 5 - Semester 2  EGH400 Research Project 2  EGH424 Biofluids  Modelling and Simulation for Medical Engineers	Year 4 - 9	Semester 2	
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 EGH424 Biofluids EGH435 Modelling and Simulation for Medical Engineers	EGB210		
EGB319 BioDesign  EGH400 -1 Research Project 1  EGH414 Stress Analysis  EGH418 Biomechanics  Year 5 - Semester 2  EGH400 -2 Research Project 2  EGH424 Biofluids  EGH435 Modelling and Simulation for Medical Engineers	EGH404		
EGH400 -1 Research Project 1 EGH414 Stress Analysis EGH418 Biomechanics Year 5 - Semester 2 EGH400 -2 Research Project 2 EGH424 Biofluids EGH435 Modelling and Simulation for Medical Engineers	Year 5 - Semester 1		
Research Project 1  EGH414 Stress Analysis  EGH418 Biomechanics  Year 5 - Semester 2  EGH400 -2 Research Project 2  EGH424 Biofluids  EGH435 Modelling and Simulation for Medical Engineers	EGB319	BioDesign	
EGH418 Biomechanics  Year 5 - Semester 2  EGH400 -2 Research Project 2  EGH424 Biofluids  EGH435 Modelling and Simulation for Medical Engineers		Research Project 1	
Year 5 - Semester 2  EGH400 -2  EGH424  Biofluids  EGH435  Modelling and Simulation for Medical Engineers	EGH414	Stress Analysis	
EGH400 -2 Research Project 2 EGH424 Biofluids EGH435 Modelling and Simulation for Medical Engineers	EGH418	Biomechanics	
Research Project 2  EGH424 Biofluids  EGH435 Modelling and Simulation for Medical Engineers	Year 5 - S	Semester 2	
EGH435 Modelling and Simulation for Medical Engineers		Research Project 2	
Medical Engineers	EGH424	Biofluids	
EGH438 Biomaterials	EGH435		
	EGH438	Biomaterials	





# Bachelor of Design/Bachelor of Engineering (Honours)

Year	2021
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$7,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$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
Course Coordinator	Program Director, School of Design; Dr Jacob Coetzee (Engineering); phone +61 7 3138 2000; email: askqut@qut.edu.au

# Minimum English requirements

Students must meet the English proficiency requirements.





# Bachelor of Design (Architecture)/Bachelor of Property Economics

Year	2021
QUT code	ID16
CRICOS	096571D
Duration (full-time)	4.5 years
ATAR/Selection rank	80.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,500 per year full-time (96 credit points)
International fee (indicative)	2021: \$31,800 per year full-time (96 credit points)
Total credit points	432
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; Associate Professor Connie Susilawati (Property Economics)
Discipline Coordinator	Sarah Briant (Architecture); Associate Professor Connie Susilawati (Property Economics) +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)

# 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 432 credit points, made up of 240 credit points from the Bachelor of Design (Architecture) and 192 credit points from the Bachelor of Property Economics.

# **Design component**

You will complete:

- four school-wide Impact Lab units (48 credit points)
- four architecture specialisation 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.

# Property economics component

You will complete:

- four core units (48 credit points) including a professional practice unit that requires completion of 30 days of workplace learning and a capstone project unit.
- the property economics major discipline units (144 credit points).

# Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 432 credit points, made up of 240 credit points from the Bachelor of Design (Architecture) and 192 credit points from the Bachelor of Property Economics.

# **Design component**

You will complete:

- four school-wide Impact Lab units (48 credit points)
- four architecture specialisation 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.

# Property economics component

You will complete:

- four core units (48 credit points) including a professional practice unit that requires completion of 30 days of workplace learning and a capstone project unit.
- the property economics major discipline units (144 credit points).

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.



# Bachelor of Design (Architecture)/Bachelor of Property Economics

# **Sample Structure**

#### **Semesters**

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

Code	Title
Semester	1 (February) commenceme

Year 1	, Semester	1

BSB113 Economics

DYB101 | Impact Lab 1: Place

DYB111 Create and Represent: Form

USB142 Residential Valuation

# Year 1, Semester 2

DYB113	Create and Represent:
	Materials

DYB114 Spatial Histories

USB144 Investment Valuation

**USB145** Property Transactions

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
USB143	Money and Wealth
UXB110	Residential Construction

# Year 2, Semester 2

DAB102	Architectural Design 2: Spaces
DAB303	Integrated Architectural Technology
USB141	Building Big
UXB134	Land Use Planning

# Year 3, Semester 1

DAB201	Architectural Design 3: Dwelling
DAB211	Environmental Principles of Architectural Design
USB240	Market Analysis
USB247	Money and Property

# Year 3, Semester 2

achelor o	f Property Economics
DAB202	Architectural Design 4: Metro
DAB212	Small Scale Building Construction
USB244	Asset Performance
USB245	Property Investment Analysis
Year 4, S	emester 1
DAB200	Modern Architecture
DAB311	Systems and Structures
DYB102	Impact Lab 2: People
USB300	Property Development
Year 4, S	emester 2
DAB302	Architectural Design 6: Communities
DAB312	Building Services
USB344	Property Project
BSB305	Undergraduate Business Internship
Year 5, S	emester 1
DAB301	Architectural Design 5: Commercial
DYB201	Impact Lab 3: Planet
	from the Impact Lab Unit ist (DYB301, KKB341 or
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
USB345	Specialised Valuation
	2 (July) commencements
Year 1, S	emester 2
DYB101	Impact Lab 1: Place

וטוסזט	impact Lab 1. Place
	Create and Represe

Materials
USB142 Residential Valuation

USB145 Property Transactions

# Year 2, Semester 1

BSB113	<b>Economics</b>

DYB111 Create and Represent: Form

DYB112 Spatial Materiality

USB143 Money and Wealth

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
USB141	Building Big
USB144	Investment Valuation

#### Year 3. Semester 1

DAB101	Explorations
DAB200	Modern Architecture
UXB110	Residential Construction
USB240	Market Analysis

Architectural Design 1:

#### Year 3, Semester 2

DAB102	Architectural Design 2: Spaces
DYB201	Impact Lab 3: Planet
USB244	Asset Performance
UXB134	Land Use Planning
Year 4, S	emester 1
DAB201	Architectural Design 3: Dwelling
DAB211	Environmental Principles of Architectural Design
USB247	Money and Property
USB300	Property Development
Year 4, S	emester 2
DAB202	Architectural Design 4: Metro
DAB212	Small Scale Building Construction
USB245	Property Investment Analysis
BSB305	Undergraduate Business Internship

### Year 5, Semester 1

	Architectural Design 5:
DADJUT	Commercial

DAB311 | Systems and Structures

USB345 | Specialised Valuation

One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):

DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1

KKB350 Creative Industries Study Tour

UXB301 Professional Practice

#### Year 5, Semester 2

DAB302	Architectural Design 6: Communities
	Integrated Architectural

DAB303 Technology

DAB312 Building Services

USB344 Property 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 2Year 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 2Year 5, Semester 1
- Year 5, Semester 2



# Bachelor of Design (Architecture)/Bachelor of Property Economics

Dacifici	or of Design (Architecture)
Code	Title
Semeste	r 1 (February) commencements
	Semester 1
BSB113	Economics
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
USB142	Residential Valuation
Year 1, S	Semester 2
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
USB144	Investment Valuation
USB145	Property Transactions
overseas apply by	dents considering studying in Year 2 Semester 2 must 1 November.
Year 2, S	Semester 1
DAB101	Architectural Design 1: Explorations
DYB112	Spatial Materiality
USB143	Money and Wealth
UXB110	Residential Construction
Year 2, S	semester 2
DAB102	Architectural Design 2: Spaces
DAB303	Integrated Architectural Technology
USB141	Building Big
UXB134	Land Use Planning
Year 3, S	Semester 1
DAB201	Architectural Design 3: Dwelling
DAB211	Environmental Principles of Architectural Design
USB240	Market Analysis
USB247	Money and Property
Year 3, S	Semester 2
DAB202	Architectural Design 4: Metro Small Scale Building
DAB212 USB244	Construction Asset Performance
USB245	Property Investment Analysis
	semester 1
DAB200	Modern Architecture
DAB200	Systems and Structures
DYB102	Impact Lab 2: People
USB300	Property Development
	Semester 2
real 4, S	Architectural Design 6:
DAB302	Communities
DAB312	Building Services
USB344	Property Project
UXB301	Professional Practice
Year 5, S	emester 1
DAB301	Architectural Design 5:

	Trioporty Economics
	Commercial
DYB201	Impact Lab 3: Planet
	from the Impact Lab Unit
Options L KKB350)	ist (DYB301, KKB341 or
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
USB345	Specialised Valuation
	'
	r 2 (July) commencements emester 2
DYB101	Impact Lab 1: Place
וטוסוטו	Create and Represent:
DYB113	Materials
USB142	Residential Valuation
USB145	Property Transactions
Year 2. S	emester 1
BSB113	Economics
DYB111	Create and Represent: Form
DYB112	Spatial Materiality
USB143	Money and Wealth
	dents considering studying
	in Year 3 Semester 1 must
apply by	
Year 2, S	emester 2
DYB102	Impact Lab 2: People
DYB114	Spatial Histories
USB141	Building Big
USB144	Investment Valuation
Year 3, S	emester 1
DAB101	Architectural Design 1:
DAROOO	Explorations
DAB200	Modern Architecture
UXB110	Residential Construction
USB240	Market Analysis
Year 3, S	emester 2
DAB102	Architectural Design 2: Spaces
DYB201	Impact Lab 3: Planet
USB244	Asset Performance
UXB134	Land Use Planning
	emester 1
DAB201	Architectural Design 3: Dwelling
DAB211	Environmental Principles of Architectural Design
USB247	Money and Property
USB300	Property Development
	emester 2
DAB202	Architectural Design 4: Metro
DAB212	Small Scale Building Construction
USB245	Property Investment Analysis
UXB301	Professional Practice
	emester 1

DAB311 Systems and Struct USB345 Specialised Valuation One unit from the Impact Lab Options List (DYB301, KKB34 KKB350): DYB301 Impact Lab 4: Purpot KKB341 Work Integrated Lea KKB350 Creative Industries 3 Year 5, Semester 2	n Jnit
One unit from the Impact Lab Options List (DYB301, KKB34 KKB350): DYB301 Impact Lab 4: Purpo KKB341 Work Integrated Lea KKB350 Creative Industries 3 Year 5, Semester 2	Jnit
Options List (DYB301, KKB34 KKB350):  DYB301 Impact Lab 4: Purpo KKB341 Work Integrated Lea KKB350 Creative Industries 3  Year 5, Semester 2	
KKB341 Work Integrated Lea KKB350 Creative Industries Year 5, Semester 2	
KKB350 Creative Industries 3 Year 5, Semester 2	se
Year 5, Semester 2	rning 1
· · · · · · · · · · · · · · · · · · ·	Study Tour
DAB302 Architectural Design Communities	6:
DAB303 Integrated Architect Technology	ıral
DAB312 Building Services	
USB344 Property Project	





# Bachelor of Design (Interior Architecture)/Bachelor of Property Economics

Year	2021
QUT code	ID17
CRICOS	096572C
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$31,700 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design; Associate Professor Connie Susilawati (Property Economics)
Discipline Coordinator	Dr Penny Wild (Interior Architecture); Associate Professor Connie Susilawati (Property Economics) +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)

# 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 (Interior Architecture) and 192 credit points from the Bachelor of Property Economics. 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 interior architecture major (144 credit points), including: four shared foundation units (48 credit points)eight units (96 credit points) from the discipline.

# Property economics component

You will complete:

- four core units (48 credit points) including a professional practice unit that requires completion of 30 days of workplace learning and a capstone project unit
- the property economics major discipline units (144 credit points).

# Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

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 (Interior Architecture) and 192 credit points from the Bachelor of Property Economics. You will undertake the two components of the double degree concurrently.

#### Design component

You will complete:

- four school-wideimpact 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.

# Property economics component

You will complete:

- four core units (48 credit points) including a professional practice unit that requires completion of 30 days of workplace learning and a capstone project unit
- the property economics major discipline units (144 credit points).

## Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.



# Bachelor of Design (Interior Architecture)/Bachelor of Property Economics

# Sample Structure **Semesters**

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

Code	Title	
Semester 1 (February) commencements		
Year 1, S	emester 1	
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
BSB113	Economics	
USB142	Residential Valuation	
Year 1, Semester 2		
DYB113	Create and Represent: Materials	
DYB114	Spatial Histories	
USB144	Investment Valuation	
USB145	Property Transactions	
Note: Students considering studying		

rete: etadente concidentig etadying
overseas in Year 2 Semester 2 must
apply by 1 November.
Vear 2 Semester 1

,	
DTB101	Interior Studio: Interiority
DYB112	Spatial Materiality
USB143	Money and Wealth

UXB1	110	0	Resid	ential	Construction
× /	_	_		_	

rear 2, Semester 2		
DTB102	Interior Studio: Inhabitance	
DYB102	Impact Lab 2: People	

USB141 Building Big

UXB134 | Land Use Planning

Year 3, Semester 1	
DTB200	Interior Access and Assemblies
DTB204	Interior Studio: Inclusion
USB240	Market Analysis
USB241	Money and Wealth
Year 3, Semester 2	

Year 3, Semester 2	
DTB205	Design Psychology
DYB201	Impact Lab 3: Planet
USB244	Asset Performance
USB245	Property Investment Analysis

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 USB300 Property Development

USB345 Specialised Valuation

# Year 4, Semester 2

DTB305 Interior Studio: Integration DTB306 Interior Systems

USB344 Property Project

UXB301 Professional Practice

# Semester 2 (July) commencements

# Year 1, Semester 2

	Impact Lab 1: Place
DYB113	Create and Represent: Materials
USB142	Residential Valuation

**USB145** Property Transactions

### Year 2, Semester 1

DTB101	Interior Studio: Interiority
DYB111	Create and Represent: Form

BSB113 Economics

USB143 Money and Wealth

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

## Year 2, Semester 2

D1B102	Interior Studio: Innabitance
DYB114	Spatial Histories
USB141	Building Big
USB144	Investment Valuation
Year 3. S	emester 1

DYB112	Spatial Materiality
USB240	Market Analysis
UXB110	Residential Construction

DYB102 Impact Lab 2: People

# Year 3, Semester 2

Year 4, Semester 1

D1B205	Design Psychology
DYB201	Impact Lab 3: Planet
USB244	Asset Performance

# UXB134 Land Use Planning

DTB200	Interior Access and Assemblies
DTB204	Interior Studio: Inclusion
USB247	Money and Property
USB300	Property Development

#### Year 4, Semester 2

DTB305	Interior Studio: Integration
DTB306	Interior Systems

USB245	Property Investment Analysis
UXB301	Professional Practice

#### Year 5, Semester 1

D1B304	Design in Society
One unit	from the Impact Lab Unit
Options L	ist (DYB301, KKB341 or

KKB350): DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1

KKB350 Creative Industries Study Tour

USB344 Property Project

USB345 | Specialised Valuation

# **Semesters**

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

Title

Semester 1 (February) commencements

#### Year 1, Semester 1

Code

DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form

BSB113 Economics

USB142 Residential Valuation

# Year 1, Semester 2

DYB113	Create and Represent:
פווסוט	Materials

DYB114 Spatial Histories

USB144 Investment Valuation

USB145 | Property Transactions

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

# Year 2, Semester 1

	DYB112	Spatial Materiality
	USB143	Money and Wealth
	LIXB110	Residential Construction

DTB101 Interior Studio: Interiority

# Year 2 Semester 2

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DTB102	Interior Studio: Inhabitance
DYB102	Impact Lab 2: People
USB141	Building Big
UXB134	Land Use Planning





# Bachelor of Design (Interior Architecture)/Bachelor of Property Economics

Tyear 3, Semester 1  DTB200 Interior Access and Assemblies  DTB204 Interior Studio: Inclusion  USB240 Market Analysis  USB241 Money and Wealth  Year 3, Semester 2  DTB205 Design Psychology  DYB201 Impact Lab 3: Planet  USB244 Asset Performance  USB245 Property Investment Analysis  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  USB300 Property Development  USB345 Specialised Valuation  Year 4, Semester 2  DTB305 Interior Studio: Integration  DTB306 Interior Systems  USB344 Property Project  BSB305 Undergraduate Business Internship  Semester 2 (July) commencements  Year 1, Semester 2  DYB101 Impact Lab 1: Place  DYB113 USB142 Residential Valuation  USB145 Property Transactions  Year 2, Semester 1  DTB101 Interior Studio: Interiority  DYB111 Create and Represent: Form  BSB113 Economics  USB143 Money and Wealth  Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.  Year 2, Semester 2  DTB102 Interior Studio: Inhabitance  DYB114 Spatial Histories  USB145 Interior Studio: Inhabitance  DYB116 Spatial Histories  USB141 Usb144 Investment Valuation  Year 3, Semester 1  DYB102 Interior Studio: Inhabitance  DYB114 Spatial Histories  USB141 Usb240 Market Analysis  UXB10 Residential Construction  Year 3, Semester 2  DTB102 Impact Lab 2: People  DYB112 Spatial Materiality  USB240 Market Analysis  UXB10 Residential Construction	Bachel	or of Design (Interior Archi
DTB204 Interior Studio: Inclusion USB240 Market Analysis USB241 Money and Wealth Year 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet USB244 Asset Performance USB245 Property Investment Analysis 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 USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	Year 3, S	emester 1
USB240 Market Analysis USB241 Money and Wealth Year 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet USB244 Asset Performance USB245 Property Investment Analysis 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 USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	DTB200	
USB241 Money and Wealth Year 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet USB244 Asset Performance USB245 Property Investment Analysis 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 USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB141 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	DTB204	Interior Studio: Inclusion
Pear 3, Semester 2 DTB205 Design Psychology DYB201 Impact Lab 3: Planet USB244 Asset Performance USB245 Property Investment Analysis 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 USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	USB240	Market Analysis
DTB205 Design Psychology DYB201 Impact Lab 3: Planet USB244 Asset Performance USB245 Property Investment Analysis 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 USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.  Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	USB241	Money and Wealth
DYB201 Impact Lab 3: Planet USB244 Asset Performance USB245 Property Investment Analysis 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 USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.  Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB141 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	Year 3, S	emester 2
USB244 Asset Performance USB245 Property Investment Analysis 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 USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB306 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	DTB205	Design Psychology
VSB245 Property Investment Analysis 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 USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	DYB201	Impact Lab 3: Planet
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 USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	USB244	Asset Performance
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 USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB141 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2		
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 USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	Year 4, S	emester 1
Options List (DYB301, KKB341 or KKB350):  DYB301 Impact Lab 4: Purpose KKB341 Work Integrated Learning 1 KKB350 Creative Industries Study Tour USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2		,
KKB341 Work Integrated Learning 1 KKB350 Creative Industries Study Tour USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	Options L	ist (DYB301, KKB341 or
KKB350 Creative Industries Study Tour USB300 Property Development USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	DYB301	
USB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2		0
VSB345 Specialised Valuation Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2		,
Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2		
DTB305 Interior Studio: Integration DTB306 Interior Systems USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	-	
DTB306 Interior Systems USB344 Property Project  BSB305 Undergraduate Business Internship  Semester 2 (July) commencements  Year 1, Semester 2  DYB101 Impact Lab 1: Place  DYB113 Create and Represent:     Materials  USB142 Residential Valuation  USB145 Property Transactions  Year 2, Semester 1  DTB101 Interior Studio: Interiority  DYB111 Create and Represent: Form  BSB113 Economics  USB143 Money and Wealth  Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.  Year 2, Semester 2  DTB102 Interior Studio: Inhabitance  DYB114 Spatial Histories  USB141 Building Big  USB144 Investment Valuation  Year 3, Semester 1  DYB102 Impact Lab 2: People  DYB112 Spatial Materiality  USB240 Market Analysis  UXB110 Residential Construction  Year 3, Semester 2		
USB344 Property Project BSB305 Undergraduate Business Internship Semester 2 (July) commencements Year 1, Semester 2 DYB101 Impact Lab 1: Place DYB113 Create and Represent: Materials USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2		•
BSB305 Undergraduate Business Internship  Semester 2 (July) commencements  Year 1, Semester 2  DYB101 Impact Lab 1: Place  DYB113 Create and Represent:     Materials  USB142 Residential Valuation  USB145 Property Transactions  Year 2, Semester 1  DTB101 Interior Studio: Interiority  DYB111 Create and Represent: Form  BSB113 Economics  USB143 Money and Wealth  Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.  Year 2, Semester 2  DTB102 Interior Studio: Inhabitance  DYB114 Spatial Histories  USB141 Building Big  USB144 Investment Valuation  Year 3, Semester 1  DYB102 Impact Lab 2: People  DYB112 Spatial Materiality  USB240 Market Analysis  UXB110 Residential Construction  Year 3, Semester 2		·
Internship  Semester 2 (July) commencements  Year 1, Semester 2  DYB101 Impact Lab 1: Place  DYB113 Create and Represent: Materials  USB142 Residential Valuation  USB145 Property Transactions  Year 2, Semester 1  DTB101 Interior Studio: Interiority  DYB111 Create and Represent: Form  BSB113 Economics  USB143 Money and Wealth  Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June.  Year 2, Semester 2  DTB102 Interior Studio: Inhabitance  DYB114 Spatial Histories  USB141 Building Big  USB144 Investment Valuation  Year 3, Semester 1  DYB102 Impact Lab 2: People  DYB112 Spatial Materiality  USB240 Market Analysis  UXB110 Residential Construction  Year 3, Semester 2	USB344	
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USB142 Residential Valuation USB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	DYB101	
VSB145 Property Transactions Year 2, Semester 1 DTB101 Interior Studio: Interiority DYB111 Create and Represent: Form BSB113 Economics USB143 Money and Wealth Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 DTB102 Interior Studio: Inhabitance DYB114 Spatial Histories USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	DYB113	·
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USB141 Building Big USB144 Investment Valuation Year 3, Semester 1 DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2		
USB144 Investment Valuation Year 3, Semester 1  DYB102 Impact Lab 2: People  DYB112 Spatial Materiality  USB240 Market Analysis  UXB110 Residential Construction Year 3, Semester 2	DYB114	Spatial Histories
Year 3, Semester 1  DYB102 Impact Lab 2: People  DYB112 Spatial Materiality  USB240 Market Analysis  UXB110 Residential Construction  Year 3, Semester 2	USB141	Building Big
DYB102 Impact Lab 2: People DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	USB144	Investment Valuation
DYB112 Spatial Materiality USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	Year 3, S	emester 1
USB240 Market Analysis UXB110 Residential Construction Year 3, Semester 2	DYB102	Impact Lab 2: People
UXB110 Residential Construction Year 3, Semester 2	DYB112	Spatial Materiality
Year 3, Semester 2	USB240	Market Analysis

DTB205 Design Psychology

DYB201	Impact Lab 3: Planet
USB244	Asset Performance
UXB134	Land Use Planning
Year 4, Semester 1	
DTB200	Interior Access and Assemblies
DTB204	Interior Studio: Inclusion
USB247	Money and Property
USB300	Property Development
Year 4, S	emester 2
DTB305	Interior Studio: Integration
DTB306	Interior Systems
USB245	Property Investment Analysis
BSB305	Undergraduate Business Internship
Year 5, S	emester 1
DTB304	Design in Society
USB345	Specialised Valuation
USB344	Property Project
	from the Impact Lab Unit .ist (DYB301, KKB341, KKB350 )1):
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
UXB301	Professional Practice





Year	2021
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ATAR/Selection rank	80.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 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
Course Coordinator	Program Director, School of Design; Dr Paul Donehue (Urban Development)
Discipline Coordinator	Sarah Briant (Architecture); Jason Gray (Quantity Surveying and Cost Engineering) +61 7 3138 2000 askqut@qut.edu.au

# **Domestic Assumed** knowledge

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

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

# Minimum English requirements

Students must meet the English proficiency requirements.

### **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)(Quantity Surveying and Cost Engineering). 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

In order to complete the Architecture major, you must complete a total of 240 credit points of core units comprising:

- Architecture, Impact Lab and Design foundation units - 192 credit points
- four units completed as part of the Quantity Surveying and Cost Engineering component - 48 credit points\*\*

## **Urban Development component**

The Quantity Surveying and Cost Engineering major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12cps professional practice unit and 12cps research methods unit.
- 192 credit points of Quantity Surveying and Cost Engineering discipline units24 credit points capstone project.

\*\*Four units are completed as part of the Quantity Surveying and Cost Engineering component and will contribute to the completion requirements of both courses.

# Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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)(Quantity Surveying and Cost Engineering). 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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# Bachelor of Design (Architecture) / Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering)

degree area, depending on how they match with your QUT course.

# Sample Structure Semesters

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

Title

Code

Semester	1 (February) commencements
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
UXB100	Design-thinking for the Built Environment
UXB110	Residential Construction
Year 1, S	emester 2
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
UXB120	Introduction to Heavy Engineering Sector Technology
UXB121	Imagine Quantity Surveying and Cost Engineering
overseas	dents considering studying in Year 2 Semester 2 must 1 November.
Year 2, S	emester 1
DAB101	Architectural Design 1: Explorations
DYB112	Spatial Materiality
BSB113	Economics
UXB115	Introduction to Modern Construction Business
Year 2, S	emester 2
DAB102	Architectural Design 2: Spaces

DYB102 Impact Lab 2: People

UXB114 Integrated Construction

UXB113 | Measurement for Construction

V 0.0		
	emester 1	
DAB200	Modern Architecture	
DAB201	Architectural Design 3: Dwelling	
UXB210	Commercial Construction	
UXB213	Advanced Measurement for Construction	
Year 3, S	emester 2	
DYB201	Impact Lab 3: Planet	
DAB202	Architectural Design 4: Metro	
LWS012	Urban Development Law	
UXB220	Services and Heavy Engineering Measurement	
Year 4, S	emester 1	
	Architectural Design 5:	
DAB301	Commercial	
DAB211	Environmental Principles of Architectural Design	
UXB211	Building Services	
UXH310	High-rise Construction	
Year 4, S	emester 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		
Year 5, S	emester 1	
Year 5, S USB300	emester 1 Property Development	
USB300	Property Development	
USB300 UXH311 UXH400	Property Development Contract Administration	
USB300 UXH311 UXH400 -1 UXH420	Property Development Contract Administration Project - Part A Risk Management in the Energy and Resources	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312	Property Development Contract Administration Project - Part A  Risk Management in the Energy and Resources Sectors emester 2 Construction Legislation	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors emester 2	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312	Property Development Contract Administration Project - Part A  Risk Management in the Energy and Resources Sectors emester 2 Construction Legislation	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors  emester 2  Construction Legislation  Construction Estimating	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semeste	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls  2 (July) commencements	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors  emester 2  Construction Legislation  Construction Estimating  Project - Part B  Cost Planning and Controls  12 (July) commencements  emester 2	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semeste	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors  emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls  2 (July) commencements  emester 2  Impact Lab 1: Place	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors  emester 2  Construction Legislation  Construction Estimating  Project - Part B  Cost Planning and Controls  12 (July) commencements  emester 2	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S DYB101	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors  emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls  2 (July) commencements  emester 2  Impact Lab 1: Place Create and Represent:	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S DYB101 DYB113 UXB113 LWS012	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls 2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials  Measurement for Construction Urban Development Law	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S DYB101 DYB113 UXB113 LWS012	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls  12 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials Measurement for Construction Urban Development Law emester 1	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S DYB101 DYB113 UXB113 LWS012	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls 2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials  Measurement for Construction Urban Development Law	
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S DYB101 DYB113 UXB113 LWS012 Year 2, S	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials Measurement for Construction Urban Development Law emester 1  Architectural Design 1:	
USB300 UXH311 UXH400 -1  UXH420  Year 5, S UXH312 UXH315 UXH400 -2  UXH321 Semester Year 1, S DYB101  DYB113  UXB113  LWS012 Year 2, S DAB101	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors  emester 2  Construction Legislation  Construction Estimating  Project - Part B  Cost Planning and Controls  2 (July) commencements  emester 2  Impact Lab 1: Place  Create and Represent: Materials  Measurement for Construction  Urban Development Law  emester 1  Architectural Design 1:  Explorations	

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 Architectural Design 2: **DAB102** Spaces DYB102 Impact Lab 2: People Introduction to Heavy **UXB120** Engineering Sector Technology Imagine Quantity Surveying **UXB121** and Cost Engineering Year 3, Semester 1 Architectural Design 3: **DAB201** Dwelling DYB112 | Spatial Materiality Advanced Measurement for **UXB213** Construction Introduction to Modern **UXB115** Construction Business Year 3, Semester 2 DAB202 | Architectural Design 4: Metro DYB114 **Spatial Histories** UXB114 Integrated Construction Services and Heavy **UXB220 Engineering Measurement** Year 4, Semester 1 DAB200 Modern Architecture Environmental Principles of **DAB211** Architectural Design UXB210 Commercial Construction BSB113 **Economics** Year 4, Semester 2 Architectural Design 6: **DAB302** Communities Integrated Architectural **DAB303** Technology UXH321 | Cost Planning and Controls Research Methods for the **UXH300 Future Built Environment** Year 5, Semester 1 DYB201 Impact Lab 3: Planet Architectural Design 5: **DAB301** Commercial UXB211 Building Services UXH310 High-rise Construction Year 5, Semester 2 UXH312 | Construction Legislation UXH315 Construction Estimating **UXH400** Project - Part A UXB301 Professional Practice Year 6, Semester 1 USB300 | Property Development UXH311 | Contract Administration **UXH400** Project - Part B



# Bachelor of Design (Architecture) / Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering)

UXH420 Risk Management in the Energy and Resources Sectors





Year	2021
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ATAR/Selection rank	80.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 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; Dr Paul Donehue (Urban Development)
Discipline Coordinator	Sarah Briant (Architecture); Dr Melissa Teo (Construction Management) +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)

# 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**

In order to complete the Architecture major, you must complete a total of 240 credit points of core units comprising:

 Architecture, Impact Lab and Design foundation units - 192 credit

- points
- four units completed as part of the Construction Management component - 48 credit points\*\*

# **Urban Development component**

The Construction Management major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12cps professional practice unit and 12cps research methods unit.
- 192 credit points of Construction Management discipline units
- 24 credit points capstone project.

\*\*Four units are completed as part of the Construction Management component and will contribute to the completion requirements of both courses.

# Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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.

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

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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 either degree area, depending on how they match with your QUT course.

# Sample Structure

#### **Semesters**

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

Code	Title
Semester 1 (February) commencements	
Year 1, Semester 1	
DYB101	Impact Lab 1: Place
DYB111	Create and Represent: Form
UXB100	Design-thinking for the Built Environment
UXB110	Residential Construction
Year 1, S	emester 2
DYB113	Create and Represent: Materials
DYB114	Spatial Histories
LIVD111	Imagine Construction

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

Management UXB112 Introduction to Structures

of Urt	oan Development (Honours) (
Year 2, S	emester 1
DAB101	Architectural Design 1: Explorations
DYB112	Spatial Materiality
BSB113	Economics
UXB115	Introduction to Modern Construction Business
Year 2, S	emester 2
DAB102	Architectural Design 2: Spaces
DYB102	Impact Lab 2: People
UXB113	Measurement for Construction
UXB114	Integrated Construction
	emester 1
DAB200	Modern Architecture
DAB201	Architectural Design 3: Dwelling
UXB210	Commercial Construction
UXB213	Advanced Measurement for Construction
Year 3, S	emester 2
DAB202	Architectural Design 4: Metro
DYB201	Impact Lab 3: Planet
LWS012	Urban Development Law
UXB212	Design for Structures
Year 4, S	emester 1
DAB301	Architectural Design 5: Commercial
DAB211	Environmental Principles of Architectural Design
UXB211	Building Services
UXH310	High-rise Construction
Year 4, S	emester 2
DAB302	Architectural Design 6: Communities
DAB303	Integrated Architectural Technology
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment
Year 5, S	emester 1
USB300	Property Development
UXH311	Contract Administration
-1	Project - Part A
UXH411	Programming and Scheduling
	emester 2
UXH312	Construction Legislation
UXH315	Construction Estimating
UXH400 -2	Project - Part B
UXH410	Strategic Construction Management
	<sup>-</sup> 2 (July) commencements
Year 1, S	emester 2

DYB101 Impact Lab 1: Place

DYB113	Create and Represent: Materials		
UXB111	Imagine Construction Management		
UXB112	Introduction to Structures		
Year 2, S	Year 2, Semester 1		
DAB101	Architectural Design 1: Explorations		
DYB111	Create and Represent: Form		
UXB100	Design-thinking for the Built Environment		
UXB110	Residential Construction		
	dents considering studying in Year 3 Semester 1 must 1 June.		
Year 2, S	emester 2		
DAB102	Architectural Design 2: Spaces		
DYB102	Impact Lab 2: People		
UXB113	Measurement for Construction		
UXB114	Integrated Construction		
Year 3, S	emester 1		
DAB201	Architectural Design 3: Dwelling		
DYB112	Spatial Materiality		
BSB113	Economics		
UXB115	Introduction to Modern Construction Business		
Year 3, S	emester 2		
DAB202	Architectural Design 4: Metro		
DAB202 DYB114	Architectural Design 4: Metro Spatial Histories		
DYB114 LWS012	Spatial Histories Urban Development Law		
DYB114 LWS012 UXB212	Spatial Histories Urban Development Law Design for Structures		
DYB114 LWS012 UXB212 Year 4, S	Spatial Histories Urban Development Law Design for Structures emester 1		
DYB114 LWS012 UXB212	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design		
DYB114 LWS012 UXB212 Year 4, S DAB200	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300 Year 5, S	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment emester 1		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300 Year 5, S	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment emester 1 Impact Lab 3: Planet Architectural Design 5: Commercial		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300 Year 5, S DYB201 DAB301 UXB211	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment emester 1 Impact Lab 3: Planet Architectural Design 5: Commercial Building Services		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300 Year 5, S DYB201 DAB301 UXB211 UXB211	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment emester 1 Impact Lab 3: Planet Architectural Design 5: Commercial Building Services High-rise Construction		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300 Year 5, S DYB201 DAB301 UXH310 Year 5, S	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment emester 1 Impact Lab 3: Planet Architectural Design 5: Commercial Building Services High-rise Construction emester 2		
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300 Year 5, S DYB201 DAB301 UXB211 UXB211	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment emester 1 Impact Lab 3: Planet Architectural Design 5: Commercial Building Services High-rise Construction		





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

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





Year	2021
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ATAR/Selection rank	80.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 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
Course Coordinator	Program Director, School of Design; Dr Paul Donehue (Urban Development)
Discipline Coordinator	Sarah Briant (Architecture); Mellini Sloan (Urban and Regional Planning) +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)

# Minimum English requirements

Students must meet the English proficiency requirements.

# **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) (Urban and Regional Planning). 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**

In order to complete the Architecture major, you must complete a total of 240 credit points of core units comprising:

- Architecture, Impact Lab and Design foundation units - 192 credit points
- four units completed as part of the Urban and Regional Planning component - 48 credit points\*\*

#### **Urban Development component**

The Urban and Regional Planning major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12cps professional practice unit and 12cps research methods unit.
- 192 credit points of Urban and Regional Planning discipline units
- 24 credit points capstone project.

#### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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) (Urban and Regional Planning). 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**

In order to complete the Architecture major, you must complete a total of 240 credit points of core units comprising:

- Architecture, Impact Lab and Design foundation units - 192 credit points
- four units completed as part of the Urban and Regional Planning component - 48 credit points\*\*

# **Urban Development component**

The Urban and Regional Planning major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12cps professional practice unit and 12cps research methods unit.
- 192 credit points of Urban and Regional Planning discipline units
- 24 credit points capstone project.

\*\*Four units are completed as part of the Urban and Regional Planning component and will contribute to the completion requirements of both courses.

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# Sample Structure

# **Semesters**

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2Year 3, Semester 1

the university for the real world

<sup>\*\*</sup>Four units are completed as part of the Urban and Regional Planning component and will contribute to the completion requirements of both courses.

#### Bachelor of Design (Architecture)/Bach (Urban and Regional Planning)

•	Year	3,	Semes	ster	2
		-	_		_

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

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

<ul> <li>Year 6, Semester 1</li> </ul>		
Code	Title	
Semeste	r 1 (February) commencements	
Year 1, S	emester 1	
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
UXB131	Planning and Design Practice	
UXB132	Urban Analysis	
Year 1, S	emester 2	
DYB102	Impact Lab 2: People	
DYB113	Create and Represent: Materials	
UXB133	Urban Studies	
UXB134	Land Use Planning	
overseas	dents considering studying in Year 2 Semester 2 must 1 November.	
Year 2, S	emester 1	
DAB101	Architectural Design 1: Explorations	
DYB112	Spatial Materiality	
BSB113	Economics	
UXB130	History of the Built Environment	
Year 2, S	emester 2	
DAB102	Architectural Design 2: Spaces	
LWS012	Urban Development Law	
UXB135	Negotiation and Conflict Resolution	
UXB230	Site Planning	
Year 3, S	Semester 1	
DAB201	Architectural Design 3: Dwelling	
DAB211	Environmental Principles of Architectural Design	
UXB231	Stakeholder Engagement	
UXB233	Planning Law	
Year 3, S	emester 2	
DAB202	Architectural Design 4: Metro	
DAB212	Small Scale Building Construction	

DYB201 Impact Lab 3: Planet

UXB234 Transport Planning

elor of Urban Development (Honours) (l		
Year 4, S	emester 1	
DAB200	Modern Architecture	
DAB301	Architectural Design 5: Commercial	
DAB311	Systems and Structures	
UXB301	Professional Practice	
Year 4, S	emester 2	
DAB302	Architectural Design 6: Communities	
DAB303	Integrated Architectural Technology	
DAB312	Building Services	
UXH300	Research Methods for the Future Built Environment	
Year 5, S	emester 1	
USB300	Property Development	
UXH400 -1	Project - Part A	
UXH430	Planning Theory and Ethics	
UXH431	Urban Planning Practice	
Year 5, S	emester 2	
UXH331	Environmental Planning	
UXH400 -2	Project - Part B	
UXH432	Community Planning	
UXH433	Regional Planning	
	2 (July) commencements	
	emester 2	
DYB101	Impact Lab 1: Place	
DYB113	Create and Represent: Materials	
UXB133	Urban Studies	
UXB134	Land Use Planning	
Year 2, S	emester 1	
DAB101	Architectural Design 1: Explorations	
DYB111	Create and Represent: Form	
UXB131	Planning and Design Practice	
UXB132	Urban Analysis	
	dents considering studying in Year 3 Semester 1 must 1 June.	
	emester 2	
DAB102	Architectural Design 2: Spaces	
DYB102	Impact Lab 2: People	
LWS012	Urban Development Law	
UXB230	Site Planning	
Year 3, S	emester 1	
DAB201	Architectural Design 3: Dwelling	
DYB112	Spatial Materiality	
DAB211	Environmental Principles of Architectural Design	
UXB130	History of the Built Environment	

	(egionai i lailillig)
Year 3, S	emester 2
DAB202	Architectural Design 4: Metro
DAB212	Small Scale Building Construction
UXB135	Negotiation and Conflict Resolution
UXB234	Transport Planning
Year 4, S	emester 1
DAB301	Architectural Design 5: Commercial
DAB311	Systems and Structures
UXB231	Stakeholder Engagement
UXB233	Planning Law
Year 4, S	emester 2
DAB302	Architectural Design 6: Communities
DAB303	Integrated Architectural Technology
DAB312	Building Services
UXH300	Research Methods for the Future Built Environment
Year 5, S	emester 1
DAB200	Modern Architecture
DYB201	Impact Lab 3: Planet
BSB113	Economics
UXB301	Professional Practice
Year 5, S	emester 2
UXH331	Environmental Planning
UXH400 -1	Project - Part A
UXH432	Community Planning
UXH433	Regional Planning
Year 6, S	emester 1
USB300	Property Development
UXH400 -2	Project - Part B
UXH430	Planning Theory and Ethics
UXH431	Urban Planning Practice





Year	2021
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 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; Dr Paul Donehue (Urban Development)
Discipline Coordinator	Dr Penny Wild (Interior Architecture); Professor Robin Drogemuller (Construction Management) +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)

# 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**

In order to complete the Interior Architecture major, you must complete a total of 192 credit points of core units comprising:

Interior Architecture, Impact Lab

and Design foundation units - 192 credit points

# **Urban development component**

The Construction Management major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12cps professional practice unit and 12cps research methods unit.
- 192 credit points of Construction Management discipline units
- 24 credit points capstone project.

# Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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**

In order to complete the Interior Architecture major, you must complete a total of 192 credit points of core units comprising:

 Interior Architecture, Impact Lab and Design foundation units - 192 credit points

### **Urban development component**

The Construction Management major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12cps professional practice unit and 12cps research methods unit.
- 192 credit points of Construction Management discipline units
- 24 credit points capstone project.

#### Study overseas

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





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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# **Sample Structure**

#### **Semesters**

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

Code	Title		
Semester	1 (February) commencements		
Year 1, Semester 1			
DYB101	Impact Lab 1: Place		
DYB111	Create and Represent: Form		
UXB100	Design-thinking for the Built Environment		
UXB110	Residential Construction		
Year 1, S	emester 2		
DYB113	Create and Represent: Materials		
DYB114	Spatial Histories		
UXB111	Imagine Construction Management		
UXB112	Introduction to Structures		
overseas	dents considering studying in Year 2 Semester 2 must 1 November.		
Year 2, S	emester 1		
DTB101	Interior Studio: Interiority		
DYB112	Spatial Materiality		
BSB113	Economics		
UXB115	Introduction to Modern Construction Business		
Year 2, S	emester 2		
DTB102	Interior Studio: Inhabitance		
DYB102	Impact Lab 2: People		
UXB113	Measurement for Construction		
UXB114	Integrated Construction		
Year 3, S	Year 3, Semester 1		

DTB200	Interior Access and Assemblies	
DTB204	Interior Studio: Inclusion	
UXB210	Commercial Construction	
UXB213	Advanced Measurement for Construction	
Year 3, S	emester 2	
DTB205	Design Psychology	
DYB201	Impact Lab 3: Planet	
LWS012	Urban Development Law	
UXB212	Design for Structures	
Year 4, S	emester 1	
DTB304	Design in Society	
	from the Impact Lab Unit .ist (DYB301, KKB341 or :	
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
UXB211	Building Services	
UXH310	High-rise Construction	
Year 4, S	emester 2	
DTB305	Interior Studio: Integration	
DTB306	Interior Systems	
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
Year 5, S	emester 1	
- 1	CITIOSIST 1	
USB300	Property Development	
USB300 UXH311		
USB300	Property Development	
USB300 UXH311 UXH400	Property Development Contract Administration	
USB300 UXH311 UXH400 -1 UXH411	Property Development Contract Administration Project - Part A	
USB300 UXH311 UXH400 -1 UXH411	Property Development Contract Administration Project - Part A Programming and Scheduling	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S	Property Development Contract Administration Project - Part A Programming and Scheduling emester 2	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312	Property Development Contract Administration Project - Part A Programming and Scheduling emester 2 Construction Legislation	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management 2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent:	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials Imagine Construction	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113 UXB111 UXB112	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials  Imagine Construction Management	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113 UXB111 UXB112	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials Imagine Construction Management Introduction to Structures	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113 UXB111 UXB112 Year 2, S	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials  Imagine Construction Management Introduction to Structures emester 1	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113 UXB111 UXB111 UXB112 Year 2, S DTB101	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials  Imagine Construction Management Introduction to Structures emester 1  Interior Studio: Interiority	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113 UXB111 UXB111 UXB111 Year 2, S DTB101 DYB111	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials Imagine Construction Management Introduction to Structures emester 1  Interior Studio: Interiority Create and Represent: Form Design-thinking for the Built	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113 UXB111 UXB111 UXB111 UXB111 UXB110 UXB100 UXB110	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials Imagine Construction Management Introduction to Structures emester 1  Interior Studio: Interiority Create and Represent: Form Design-thinking for the Built Environment	

Year 2, Semester 2 DTB102 Interior Studio: Inhabitance 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: Inclusion UXB210 Commercial Construction UXB211 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 UXH310 Construction Legislation UXB211 Building Services UXH310 Project - Part A  UXH410 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH410 Project - Part B UXH410 Project - Part B UXH411 Programming and Scheduling	overseas in Year 3 Semester 1 must apply by 1 June.	
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 Assemblies DTB204 Interior Access and Assemblies DTB204 Interior Studio: Inclusion UXB210 Commercial Construction UXB211 Advanced Measurement for Construction Year 4, Semester 2 DTB305 Interior Studio: Integration DTB306 Interior Systems UXB301 Professional Practice UXH300 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 UXB211 Construction Estimating UXH400 -1 Project - Part A  UXH410 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration UXH4400 -2 Project - Part B	Year 2, S	emester 2
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: Inclusion 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 -1 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration UXH4400 -2 Project - Part B	DTB102	Interior Studio: Inhabitance
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: Inclusion UXB210 Commercial Construction UXB211 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 -1 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH4101 Contract Administration UXH4001 -2 Project - Part B	DYB114	Spatial Histories
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: Inclusion UXB210 Commercial Construction UXB211 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 -1 Strategic Construction Management  Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -2 Project - Part B	UXB113	Measurement for Construction
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: Inclusion UXB210 Commercial Construction UXB211 Advanced Measurement for Construction  Year 4, Semester 2  DTB305 Interior Studio: Integration DTB306 Interior Systems UXB301 Professional Practice  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 -1 Strategic Construction Management  Year 6, Semester 1  USB300 Property Development  UXH311 Contract Administration  UXH4400 -2 Project - Part B	UXB114	Integrated Construction
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: Inclusion UXB210 Commercial Construction UXB211 Advanced Measurement for Construction  Year 4, Semester 2  DTB305 Interior Studio: Integration DTB306 Interior Systems UXB301 Professional Practice  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 -1 Strategic Construction Management  Year 6, Semester 1  USB300 Property Development  UXH311 Contract Administration  UXH4400 -2 Project - Part B	Year 3, S	emester 1
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: Inclusion 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 -1  UXH410 Project - Part A  UXH410 Strategic Construction Management  Year 6, Semester 1  USB300 Property Development  UXH311 Contract Administration  UXH400 -2	DYB102	Impact Lab 2: People
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: Inclusion   UXB210   Commercial Construction   UXB211   Advanced Measurement for Construction   Year 4, Semester 2   DTB305   Interior Studio: Integration   DTB306   Interior Systems   UXB301   Professional Practice   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   UXH311   Construction Legislation   UXH315   Construction Estimating   UXH400   Project - Part A   UXH410   Strategic Construction   Management   Year 6, Semester 1   USB300   Property Development   UXH410   Contract Administration   UXH400   Project - Part B	DYB112	
Vear 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: Inclusion 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 -1 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -2 Project - Part B	BSB113	, ,
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: Inclusion 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 -1 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH410 Arole Project - Part B	UXB115	
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: Inclusion UXB210 Commercial Construction UXB213 Advanced Measurement for Construction Year 4, Semester 2 DTB306 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 -1 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -2 Project - Part B	Year 3, S	emester 2
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: Inclusion UXB210 Commercial Construction UXB213 Advanced Measurement for Construction Year 4, Semester 2 DTB306 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 -1 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -2 Project - Part B	DTB205	Design Psychology
LWS012 Urban Development Law UXB212 Design for Structures Year 4, Semester 1  DTB200 Interior Access and Assemblies  DTB204 Interior Studio: Inclusion 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 -1 Strategic Construction Management Year 6, Semester 1  USB300 Property Development UXH311 Contract Administration UXH400 -2	DYB201	
Year 4, Semester 1  DTB200 Interior Access and Assemblies  DTB204 Interior Studio: Inclusion  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 -1  UXH410 Strategic Construction  Management  Year 6, Semester 1  USB300 Property Development  UXH311 Contract Administration  UXH400 -2	LWS012	Urban Development Law
Year 4, Semester 1  DTB200 Interior Access and Assemblies  DTB204 Interior Studio: Inclusion  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 -1  UXH410 Strategic Construction  Management  Year 6, Semester 1  USB300 Property Development  UXH311 Contract Administration  UXH400 -2	UXB212	·
DTB200 Interior Access and Assemblies  DTB204 Interior Studio: Inclusion  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 -1  UXH410 Strategic Construction  Management  Year 6, Semester 1  USB300 Property Development  UXH311 Contract Administration  UXH400 -2	Year 4. S	emester 1
DTB204 Interior Studio: Inclusion UXB210 Commercial Construction 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 -1 UXH410 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -2		
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 -1  UXH410 Strategic Construction  Management  Year 6, Semester 1  USB300 Property Development  UXH311 Contract Administration  UXH400 -2  Project - Part B	D1B200	Assemblies
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 -1  Vara 6, Semester 1  USB300 Property Development  UXH311 Contract Administration  UXH400 -2  Project - Part B	DTB204	Interior Studio: Inclusion
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 -1  Vara 6, Semester 1  USB300 Property Development  UXH311 Contract Administration  UXH400 -2  Project - Part B	UXB210	Commercial 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 -1 UXH410 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -2	UXB213	Advanced Measurement for
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 -1  UXH410 Strategic Construction Management  Year 6, Semester 1  USB300 Property Development UXH311 Contract Administration  UXH400 -2  Project - Part B	Year 4. S	emester 2
DTB306 Interior Systems UXB301 Professional Practice  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 -1  UXH410 Strategic Construction Management  Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration  UXH400 -2  Project - Part B		
UXB301 Professional Practice  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 -1  UXH410 Strategic Construction  Management  Year 6, Semester 1  USB300 Property Development  UXH311 Contract Administration  UXH400 -2  Project - Part B		
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 -1  UXH410 Strategic Construction  Management  Year 6, Semester 1  USB300 Property Development  UXH311 Contract Administration  UXH400 -2  Project - Part B		•
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 -1  UXH410 Strategic Construction Management Year 6, Semester 1  USB300 Property Development UXH311 Contract Administration  UXH400 -2  Project - Part B	ONDOOT	
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 -1  DYB300 Project - Part A  UXH410 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration  UXH400 -2  Project - Part B	UXH300	
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 -1  DYB300 Project - Part A  UXH410 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration  UXH400 -2  Project - Part B	Year 5, S	emester 1
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  UXH410 Strategic Construction Management  Year 6, Semester 1  USB300 Property Development UXH311 Contract Administration  UXH400 -2  Project - Part B		
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 -1 Project - Part A  UXH410 Strategic Construction Management Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration UXH400 -2 Project - Part B	Options L	from the Impact Lab Unit ist (DYB301, KKB341 or
KKB350 Creative Industries Study Tour UXB211 Building Services UXH310 High-rise Construction 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	DYB301	Impact Lab 4: Purpose
UXB211 Building Services UXH310 High-rise Construction 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	KKB341	Work Integrated Learning 1
VXH310 High-rise Construction  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	KKB350	Creative Industries Study Tour
VXH310 High-rise Construction  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	UXB211	Building Services
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	UXH310	
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	Year 5, S	I .
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		
UXH400 -1  UXH410  Strategic Construction Management  Year 6, Semester 1  USB300  Property Development  UXH311  Contract Administration  UXH400 -2  Project - Part B		
-1 UXH410 Strategic Construction Management  Year 6, Semester 1 USB300 Property Development UXH311 Contract Administration  UXH400 -2 Project - Part B		<del>-</del>
VAHA10  Management  Year 6, Semester 1  USB300  Property Development  UXH311  Contract Administration  UXH400  -2  Project - Part B		Project - Part A
USB300 Property Development UXH311 Contract Administration UXH400 -2 Project - Part B	UXH410	
UXH311 Contract Administration UXH400 -2 Project - Part B	Year 6, S	emester 1
UXH400 -2 Project - Part B	USB300	Property Development
-2 Project - Part B	UXH311	Contract Administration
UXH411 Programming and Scheduling		Project - Part B
	UXH411	Programming and Scheduling



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

#### **Semesters**

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

Code	Title	
	1 (February) commencements	
Year 1, Semester 1		
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
UXB100	Design-thinking for the Built Environment	
UXB110	Residential Construction	
Year 1, S	emester 2	
DYB113	Create and Represent: Materials	
DYB114	Spatial Histories	
UXB111	Imagine Construction Management	
UXB112	Introduction to Structures	
overseas	Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.	
Year 2, S	emester 1	
Year 2, S DTB101	emester 1 Interior Studio: Interiority	
DTB101	Interior Studio: Interiority Spatial Materiality Economics	
DTB101 DYB112	Interior Studio: Interiority Spatial Materiality	
DTB101 DYB112 BSB113 UXB115	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern	
DTB101 DYB112 BSB113 UXB115	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business	
DTB101 DYB112 BSB113 UXB115 Year 2, S	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2	
DTB101 DYB112 BSB113 UXB115 Year 2, S DTB102	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Interior Studio: Inhabitance	
DTB101 DYB112 BSB113 UXB115 Year 2, S DTB102 DYB102 UXB113 UXB114	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Interior Studio: Inhabitance Impact Lab 2: People Measurement for Construction Integrated Construction	
DTB101 DYB112 BSB113 UXB115 Year 2, S DTB102 DYB102 UXB113 UXB114	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Interior Studio: Inhabitance Impact Lab 2: People Measurement for Construction Integrated Construction emester 1	
DTB101 DYB112 BSB113 UXB115 Year 2, S DTB102 DYB102 UXB113 UXB114	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Interior Studio: Inhabitance Impact Lab 2: People Measurement for Construction Integrated Construction	
DTB101 DYB112 BSB113 UXB115 Year 2, S DTB102 DYB102 UXB113 UXB114 Year 3, S	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Interior Studio: Inhabitance Impact Lab 2: People Measurement for Construction Integrated Construction emester 1 Interior Access and	
DTB101 DYB112 BSB113 UXB115 Year 2, S DTB102 DYB102 UXB113 UXB114 Year 3, S DTB200	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Interior Studio: Inhabitance Impact Lab 2: People Measurement for Construction Integrated Construction emester 1 Interior Access and Assemblies	

3a	chelor of L	Jrban Development (Honours) (Co
	Year 3, S	emester 2
	DTB205	Design Psychology
	DYB201	Impact Lab 3: Planet
	LWS012	Urban Development Law
	UXB212	Design for Structures
	Year 4, S	emester 1
	DTB304	Design in Society
		from the Impact Lab Unit
	Options L KKB350):	ist (DYB301, KKB341 or
	DYB301	Impact Lab 4: Purpose
	KKB341	Work Integrated Learning 1
	KKB350	Creative Industries Study Tour
	UXB211	Building Services
	UXH310	High-rise Construction
		emester 2
	DTB305	Interior Studio: Integration
	DTB306	Interior Systems
	UXB301	Professional Practice
	UXH300	Research Methods for the Future Built Environment
		emester 1
	USB300	Property Development
	UXH311	Contract Administration
	-1	Project - Part A
	UXH411	Programming and Scheduling
		emester 2
	UXH312	Construction Legislation
	UXH315 UXH400	Construction Estimating
	-2	Project - Part B
	UXH410	Strategic Construction Management
	Semester	2 (July) commencements
		emester 2
	DYB101	Impact Lab 1: Place
	DYB113	Create and Represent: Materials
	UXB111	Imagine Construction Management
	UXB112	Introduction to Structures
	Year 2, S	emester 1
	DTB101	Interior Studio: Interiority
	DYB111	Create and Represent: Form
	UXB100	Design-thinking for the Built Environment
	UXB110	Residential Construction
		dents considering studying
	overseas apply by	in Year 3 Semester 1 must
		emester 2
		Interior Studio: Inhabitance
	DYB114	Spatial Histories
	LIVDAAO	Management for Construct

UXB113 Measurement for Construction

Struction Management)			
UXB114	Integrated Construction		
Year 3, S	emester 1		
DYB102	Impact Lab 2: People		
DYB112	Spatial Materiality		
BSB113	Economics		
UXB115	Introduction to Modern		
	Construction Business		
Year 3, S	emester 2		
DTB205	Design Psychology		
DYB201	Impact Lab 3: Planet		
LWS012	Urban Development Law		
UXB212	Design for Structures		
Year 4, S	emester 1		
DTB200	Interior Access and		
DTDOOA	Assemblies		
DTB204 UXB210	Interior Studio: Inclusion		
UXB210	Commercial Construction  Advanced Measurement for		
UXB213	Construction		
Year 4 S	emester 2		
DTB305	Interior Studio: Integration		
DTB306			
UXB301	Interior Systems Professional Practice		
UNDSUT	Research Methods for the		
UXH300	Future Built Environment		
Year 5, S	emester 1		
DTB304	Design in Society		
UXB211	Building Services		
UXH310	High-rise Construction		
	from the Impact Lab Unit		
	ist (DYB301, KKB341, KKB350		
or UXB30	,		
	Impact Lab 4: Purpose		
KKB341	Work Integrated Learning 1		
KKB350	Creative Industries Study Tour		
UXB301	Professional Practice		
	encourage students g ID18 Interior Architecture		
	struction Management to select		
KKB341			
Year 5, S	emester 2		
UXH312	Construction Legislation		
UXH315	Construction Estimating		
UXH400	Project - Part A		
-1	-		
UXH410	Strategic Construction Management		
Year 6, S	emester 1		
USB300	Property Development		
UXH311	Contract Administration		
UXH400 -2	Project - Part B		
UXH411	Programming and Scheduling		
	- 1.5 g. s		





Year	2021
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 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; Dr Paul Donehue (Urban Development)
Discipline Coordinator	Dr Greg Mews (Landscape Architecture); Mellini Sloan (Urban and Regional Planning) +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)

# 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**

In order to complete the Landscape Architecture major, you must complete a total of 192 credit points of core units comprising:

- Landscape Architecture, Impact Lab, Design foundation units and Design specialisation units -192 credit points
- two units completed as part of the Urban and Regional Planning component - 24 credit points\*\*

#### **Urban development component**

The Urban and Regional Planning major component requires completion of 288 credit points (24 units) consisting of:

72 credit points of core Urban

- Development units, including 12 cps professional practice unit and 12 cps research methods unit.
- 192 credit points of Urban and Regional Planning discipline units
- 24 credit points capstone project.

\*\*Two units are completed as part of the Urban and Regional Planning component and will contribute to the completion requirements of both courses.

# Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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**

In order to complete the Landscape Architecture major, you must complete a total of 192 credit points of core units comprising:

- Landscape Architecture, Impact Lab, Design foundation units and Design specialisation units -192 credit points
- two units completed as part of the Urban and Regional Planning component - 24 credit points\*\*

# **Urban development component**

The Urban and Regional Planning major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12 cps professional practice unit and 12 cps research methods unit.
- 192 credit points of Urban and Regional Planning discipline units
- 24 credit points capstone project.

\*\*Two units are completed as part of the Urban and Regional Planning component



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

and will contribute to the completion requirements of both courses.

# Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# Sample Structure

#### **Semesters**

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

Code	Title	
Semester 1 (February) commencements		
Year 1, Semester 1		
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
UXB131	Planning and Design Practice	
UXB132	Urban Analysis	
Year 1, Semester 2		
DYB113	Create and Represent:	

Materials

One unit from the Design Specialisation **Unit Options List** 

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

One unit from the Design Specialisation **Unit Options List** 

**UXB130** 

History of 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

Landform, Technology and **DLB201 Techniques** Landscape, People and Place

**DLB202** Studio

UXB231 Stakeholder Engagement

UXB233 Planning Law

# 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

Landscape Materiality and **DLB302** Constructs **DLB303** Resilient Landscapes Studio

UXB301 Professional Practice Research Methods for the **UXH300** Future Built Environment

Year 5, Semester 1

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

USB300 Property Development

## Year 5, Semester 2

UXH400 -2	Project - Part B	
UXH331	Environmental Planning	
UXH432	Community Planning	
UXH433 Regional Planning		
Semester 2 (July) commencements		

# Year 1, Semester 2

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

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

Year 2, Semester 2

DLB102 Landscape Studio 2

UXB132 Urban Analysis

One unit from the Design Specialisation **Unit Options List** 

LWS012 Urban Development Law

Negotiation and Conflict **UXB135** Resolution

Year 3, Semester 1

DLB101 Landscape Studio 1 DYB102 Impact Lab 2: People

One unit from the Design Specialisation **Unit Options List** 

History of the Built UXB130 Environment

# Year 3, Semester 2

DLB204	Planting Design
DYB201	Impact Lab 3: Planet

UXB230 Site Planning

UXB234 Transport Planning

# Year 4, Semester 1

Landform, Technology and **DLB201** Techniques

Landscape, People and Place **DLB202** Studio

UXB231 Stakeholder Engagement

UXB233 Planning Law

#### Year 4, Semester 2

Landscape Materiality and **DLB302** Constructs

DLB303 Resilient Landscapes Studio UXB301 Professional Practice

Research Methods for the

**UXH300 Future Built Environment** 

# Year 5, Semester 1

DLB301 Landscape Ecology UXB330 Urban Design **UXH400** Project - Part A

One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):

DYB301 Impact Lab 4: Purpose KKB341 Work Integrated Learning 1

KKB350 | Creative Industries Study Tour

UXB301 Professional Practice

Note: We encourage students completing ID18 Landscape Architecture and URP to select KKB341

Year 5, Semester 2



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

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/Bachelor of Urban Development (Honours)

Year	2021
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 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
Course Coordinator	Program Director, School of Design; Dr Paul Donehue (Urban Development)

# Minimum English requirements

Students must meet the English proficiency requirements.





Year	2021
QUT code	ID19
CRICOS	096574A
Duration (full-time)	5.5 years
ATAR/Selection rank	80.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,000 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	Program Director, School of Design; Dr Jacob Coetzee (Engineering)
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 (Medial) +61731382000 askqut@qut.edu.au

# Domestic Assumed knowledge

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

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

# International Entry requirements Prerequisites

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

# International 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

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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 degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# Sample Structure

#### **Semesters**

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- 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	little	
Semester	Semester 1 (February) commencements	
Year 1, S	emester 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, Se	mester 1

Architectural Design 1: **DAB101 Explorations** 

DYB112 Spatial Materiality

**Engineering Unit** 

**Engineering Unit** 

# Year 2, Semester 2

Architectural Design 2: DAB102 **Spaces** 

Integrated Architectural **DAB303** Technology

**Engineering Unit** 

**Engineering Unit** 

# Year 3, Semester 1

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

**Engineering Unit** 

**Engineering Unit** 

## Year 3, Semester 2

DAB202 Architectural Design 4: Metro

Small Scale Building **DAB212** 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 Architectural Design 5: **DAB301** Commercial

**Engineering Unit** 

**Engineering Unit** 

# Year 5, Semester 2

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

# Year 6, Semester 1

DYB201 Impact Lab 3: Planet

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

DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1 KKB350 | Creative Industries Study Tour

**Engineering Unit** 

**Engineering Unit** 

## Semester 2 (July) commencements

# Year 1, Semester 2

DYB101 Impact Lab 1: Place

Create and Represent: **DYB113** Materials

**Engineering Unit** 

**Engineering Unit** 

#### Year 2, Semester 1

DYB111 Create and Represent: Form

DYB112 | Spatial Materiality

**Engineering Unit** 

**Engineering Unit** 

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

## Year 2, Semester 2

DYB102 Impact Lab 2: People

DYB114 Spatial Histories

**Engineering Unit** 

**Engineering Unit** 

# Year 3, Semester 1

Architectural Design 1: DAB101 **Explorations** 

DAB200 Modern Architecture

**Engineering Unit** 

**Engineering Unit** 

#### Year 3, Semester 2

Architectural Design 2: DAB102 Spaces

DYB201 Impact Lab 3: Planet

**Engineering Unit Engineering Unit** 

# Year 4, Semester 1

Architectural Design 3: **DAB201** Dwelling

Environmental Principles of **DAB211** Architectural Design

**Engineering Unit Engineering Unit** 

#### Year 4, Semester 2

DAB202 | Architectural Design 4: Metro

Small Scale Building **DAB212** Construction

**Engineering Unit** 

**Engineering Unit** 

### Year 5, Semester 1

Architectural Design 5: DAB301 Commercial

DAB311 Systems and Structures

**Engineering Unit** 

**Engineering Unit** 



Buonoi	or or besign (Aronitecture)
Year 5, S	emester 2
DAB302	Architectural Design 6: Communities
DAB303	Integrated Architectural Technology
DAB312	Building Services
	from the Impact Lab Unit .ist (DYB301, KKB341 or
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Year 6, S	emester 1
Engineeri	ng Unit
Engineering Unit	
Engineering Unit	
Engineering Unit	
Year 6, S	emester 2
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

**Engineering Unit** 

Year 6, Semester 2

Code	Title	
Semester 1 (February) commencements		
Year 1, S	emester 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	

Engine	UILII

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

**Engineering Unit** 

**Engineering Unit** 

# Year 3, Semester 2

Architectural Design

Small Scale Building **DAB212** Construction

**Engineering Unit** 

**Engineering Unit** 

# Year 4, Semester 1

DAB311	Systems and Structures
	- <b>,</b>

DYB102 Impact Lab 2: People

**Engineering Unit** 

**Engineering Unit** 

# Year 4, Semester 2

DAB302	Architectural Design 6:
	Communities

DAB312 Building Services

**Engineering Unit** 

**Engineering Unit** 

# Year 5, Semester 1

DAB200	Modern Architecture
DAB301	Architectural Design 5: Commercial

**Engineering Unit** 

**Engineering Unit** 

# Year 5, Semester 2

**Engineering Unit Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

#### Year 6, Semester 1

DYB201 Impact Lab 3: Planet One unit from the Impact Lab Unit Options List (DYB301, KKB341 or KKB350):

DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1 KKB350 Creative Industries Study Tour

**Engineering Unit** 

**Engineering Unit** 

## Semester 2 (July) commencements

### Year 1, Semester 2

DYB101 Impact Lab 1: Place

Create and Represent: **DYB113** Materials

**Engineering Unit** 

**Engineering Unit** 

# Year 2, Semester 1

DYB111 Create and Represent: Form

DYB112 | Spatial Materiality

**Engineering Unit** 

**Engineering Unit** 

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

# Year 2, Semester 2

DYB102 Impact Lab 2: People

DYB114 | Spatial Histories

**Engineering Unit** 

**Engineering Unit** 

## Year 3, Semester 1

Architectural Design 1: **DAB101 Explorations** 

DAB200 Modern Architecture

**Engineering Unit** 

**Engineering Unit** 

# Year 3, Semester 2

Architectural Design 2: **DAB102** Spaces

DYB201 Impact Lab 3: Planet

**Engineering Unit** 

**Engineering Unit** 

# Year 4, Semester 1

Architectural Design 3: **DAB201 Dwelling** 

Environmental Principles of **DAB211** Architectural Design

**Engineering Unit** 

**Engineering Unit** 

# Year 4, Semester 2

DAB202 Architectural Design 4: Metro

Small Scale Building DAB212 Construction

**Engineering Unit** 

**Engineering Unit** 

## Year 5, Semester 1

Architectural Design 5: **DAB301** Commercial





	or or boolgin (varenneotalio).		
DAB311	Systems and Structures		
Engineering Unit			
	Engineering Unit		
Year 5, S	emester 2		
DAB302	Architectural Design 6: Communities		
DAB303	Integrated Architectural Technology		
DAB312	Building Services		
One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):			
DYB301	Impact Lab 4: Purpose		
UXB301	Professional Practice		
KKB341	Work Integrated Learning 1		
KKB350	Creative Industries Study Tour		
Year 6, Semester 1			
Engineering Unit			
Engineer	ing Unit		
Engineering Unit			
Engineering Unit			
Year 6, Semester 2			
Engineer	Engineering Unit		
Engineering Unit			
Engineer	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	TITIE
	Semester 1 (February) commencements	
	Year 1 - Semester 1	
	EGB113	Energy in Engineering Systems
	MZB125	Introductory Engineering Mathematics
Or		

MXB161	Computational Explorations
	Semester 2
	Engineering Sustainability and
EGB100	Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - 8	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - 5	Semester 1
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - 9	Semester 2
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - 9	Semester 1
FORMO	Operations Management and
EGB362	Process Economics Research in Engineering
EGH404	Practice
	Semester 2
EGH400 -1	Research Project 1
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control
Year 6 - 8	Semester 1
EGH400 -2	Research Project 2
EGH463	Plant and Process Design
	2 (July) commencements Semester 2
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
Or	
MXB161	Computational Explorations
	Semester 2
	Foundations of Electrical
EGB120	. Sandations of Electrical

	Engineering		
MZB126	Engineering Computation		
Year 3 - 9	Semester 1		
EGB121	Engineering Mechanics		
Foundation	Foundation Unit Option		
Year 3 - 8	Semester 2		
CVB101	General Chemistry		
EGB322	Thermodynamics		
Year 4 - S	Semester 1		
EGB262	Process Principles		
EGB323	Fluid Mechanics		
Year 4 - S	Semester 2		
EGB364	Process Modelling		
EGH404	Research in Engineering Practice		
Year 5 - S	Semester 1		
EGB261	Unit Operations		
EGB361	Minerals and Minerals Processing		
Year 5 - Semester 2			
Other Faculty Unit			
Year 6 - 8	Semester 1		
EGB362	Operations Management and Process Economics		
EGH463	Plant and Process Design		
EGH408	Research Project		
Year 6 - 8	Semester 2		
EGH411	Industrial Chemistry		
EGH422	Advanced Thermodynamics		
EGH423	Fluids Dynamics		
EGH462	Process Control		

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



Bachelor of Design (Architecture)/		
Code	Title	
Semeste	r 1 (February) commencements	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 3	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB123	Civil Engineering Systems	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport Engineering	
Year 3 - 9	Semester 2	
EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	
Year 4, S	emester 1	
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
Year 4 - 9	Semester 2	
EGB376	Steel Design	
EGH471	Advanced Water Engineering	
Year 5 - 9	Semester 1	
EGB375	Design of Concrete Structures	
EGH404	Research in Engineering Practice	
Year 5 - 9	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 - S	Semester 1	
EGH473	Advanced Geotechnical Engineering	
EGH400 -2	Research Project 2	
Semeste	r 2 (July) commencements	
	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
PVB101	Physics of the Very Large	

MZB125   MXB161 (Year 2 - See EGB123 (MZB126 EGB121	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Emester 2 Civil Engineering Systems Engineering Computation
MZB125   MXB161 (Year 2 - See EGB123 (MZB126 EGB121	Design Introductory Engineering Mathematics Computational Explorations Emester 2 Civil Engineering Systems Engineering Computation
MXB161 (Year 2 - See EGB123 (MZB126 EGB121 EGB121 EGB121 EGB121 EGB121 EGB123 (MZB126 EGB121	Mathematics Computational Explorations emester 2 Civil Engineering Systems Engineering Computation
Year 2 - Se EGB123 ( MZB126 E Year 3 - Se EGB121 E	emester 2 Civil Engineering Systems Engineering Computation
EGB123 (MZB126 EYear 3 - SeEGB121 E	Civil Engineering Systems Engineering Computation
MZB126 E Year 3 - Se EGB121 E	Engineering Computation
Year 3 - Se EGB121	
EGB121	emester 1
	SHICSICI I
Foundation	Engineering Mechanics
	n Unit Option
Year 3 - Se	emester 2
EGB273	Principles of Construction
EGB373 (	Geotechnical Engineering
Year 4 - Se	emester 1
EGB270 (	Civil Engineering Materials
F(EB)//	Traffic and Transport Engineering
Year 4 - Se	emester 2
EGB376	Steel Design
	Advanced Highway and Pavement Engineering
Year 5 - Se	emester 1
EGB275	Structural Mechanics
EGB375 [	Design of Concrete Structures
Year 5 - Se	emester 2
(No Engine	eering Units)
Year 6 - Se	emester 1
EGB371	Engineering Hydraulics
	Research in Engineering Practice
EGH400 -1	Research Project 1
H(GH4/3)	Advanced Geotechnical Engineering
Year 6 - Se	emester 2
EGH400 -2	Research Project 2
	Advanced Water Engineering
F(iH4/5)	Advanced Concrete Structures
HIJHA/G	Advances in Civil Engineering Practice

- Year 1 Semester 1
- Year 1 Semester 2Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1 • Year 5 - Semester 2
- Year 6 Semester 1

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

Code	Title
	r 1 (February) commencements
	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
Foundati	on Unit Option
Year 3 -	Semester 1
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - 3	Semester 2
CAB202	Microprocessors and Digital Systems
Intermed	iate 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
CAB302	Software Development
	d Computer & Software Option Unit
Year 5 - 3	Semester 2
EGH400 -1	Research Project 1
CAB432	Cloud Computing
EGH455	Advanced Systems Design
Advance	d Computer & Software



Systems Option Unit

Bachelor of Design (Architecture)		
Year 6 - Semester 1		
EGH400 -2	Research Project 2	
EGH456	Embedded Systems	
Semester	2 (July) commencements	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
PVB101	Physics of the Very Large	
Year 2 - 8	Semester 1	
EGB111	Foundation of Engineering Design	
MZB125	Introductory Engineering Mathematics	
MXB161	Computational Explorations	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
MZB126	Engineering Computation	
	Semester 1	
EGB121	Engineering Mechanics	
	on Unit Option	
	Semester 2	
CAB201	Programming Principles	
EGB242	Signal Analysis	
Year 4 - S	Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB240	Electronic Design	
	Semester 2	
	Systems Programming	
	ate Electrical Option Unit	
Year 5 - 8	Semester 1	
EGH404	Research in Engineering Practice	
CAB301	Algorithms and Complexity	
	Semester 2	
, -	neering Units)	
	Semester 1	
EGH400 -1	Research Project 1	
EGH456		
CAB302	Software Development	
Advanced Computer & Software Systems Option Unit		
	Semester 2	
EGH400 -2	Research Project 2	
	Advanced Systems Design	
CAB432	Cloud Computing	
	d Computer & Software Option Unit	
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### **Semesters**

 Semester 1 (February) commencements

meior or Engineering (Florious)
<ul> <li>Year 1 - Semester 1</li> </ul>
Year 1 - Semester 2
Year 2 - Semester 1
Year 2 - Semester 2
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	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	

Todi o - ociliostoi i		
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	emester 1
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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 Research Project 1  Advanced Electrical Option Unit (2)  Advanced Electrical Option Unit (3)  Advanced Electrical Option Unit (4)
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)
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 5 - Semester 2  EGH400 -1  Research Project 1  Advanced Electrical Option Unit (2)  Advanced Electrical Option Unit (3)  Advanced Electrical Option Unit (4)
EGH400 -1 Research Project 1 Advanced Electrical Option Unit (2) Advanced Electrical Option Unit (3) Advanced Electrical Option Unit (4)
Advanced Electrical Option Unit (2) Advanced Electrical Option Unit (3) Advanced Electrical Option Unit (4)
Advanced Electrical Option Unit (3) Advanced Electrical Option Unit (4)
Advanced Electrical Option Unit (4)
. , ,
Year 6 - Semester 1
Research Project 2
-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
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)
(NO Engineering Onits)
Year 6 - Semester 1
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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	l Electrical Option Unit (4)			

#### **Semesters**

 Semester 1 (February) commencements

Advanced Electrical Option Unit (5)

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

Teal 0 - Semester 2			
Code	Title		
Semester	1 (February) commencements		
Year 1 - S	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
MXB161	Computational Explorations		
Year 1 - S	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - Semester 1			
Year 2 - 8	Semester 1		
Year 2 - 9 EGB111	Semester 1 Foundation of Engineering Design		
	Foundation of Engineering		
EGB111 EGB121	Foundation of Engineering Design		
EGB111 EGB121	Foundation of Engineering Design Engineering Mechanics		
EGB111 EGB121 Year 2 - S EGB120	Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical		
EGB111 EGB121 Year 2 - S EGB120 Foundation	Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical Engineering		
EGB111 EGB121 Year 2 - S EGB120 Foundation	Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical Engineering on Unit Option		
EGB111 Year 2 - S EGB120 Foundation Year 3 - S	Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical Engineering on Unit Option Semester 1 Microprocessors and Digital		

EGB242 Signal Analysis

Intermediate Electrical Option Unit		
Year 4 - 9	Semester 1	
EGB243	Aircraft Systems and Flight	
EGB349	Systems Engineering and Design Project	
Year 4 - 9	Semester 2	
EGB345		
EGB346	Unmanned Aircraft Systems	
Year 5 - 9	Semester 1	
EGH404	Research in Engineering Practice	
EGH446	Autonomous Systems	
Year 5 - 9	Semester 2	
EGH400 -1	Research Project 1	
EGH445	Modern Control	
EGH450	Advanced Unmanned Aircraft Systems	
Advance	d Electrical Option Unit	
Year 6 - S	Semester 1	
EGH400 -2	Research Project 2	
Advance	d Electrical Option Unit	
	r 2 (July) commencements	
	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
D) (D ( C (		
PVB101	Physics of the Very Large	
	Physics of the Very Large Semester 1	
	Semester 1 Foundation of Engineering Design	
Year 2 - S	Semester 1 Foundation of Engineering	
Year 2 - 9 EGB111	Foundation of Engineering Design Introductory Engineering	
Year 2 - S EGB111 MZB125 MXB161	Foundation of Engineering Design Introductory Engineering Mathematics	
Year 2 - S EGB111 MZB125 MXB161	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations	
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical	
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering	
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation	
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option	
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics	
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option	
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation  Year 3 - S	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option Semester 2 Microprocessors and Digital	
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation  Year 3 - S CAB202  EGB242	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option Semester 2 Microprocessors and Digital Systems	
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation  Year 3 - S CAB202  EGB242  Year 4 - S	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option Semester 2 Microprocessors and Digital Systems Signal Analysis	
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation  Year 3 - S CAB202  EGB242  Year 4 - S	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2 Foundations of Electrical Engineering Engineering Computation Gemester 1 Engineering Mechanics on Unit Option Gemester 2 Microprocessors and Digital Systems Signal Analysis Gemester 1	
Year 2 - S EGB111  MZB125  MXB161 Year 2 - S EGB120  MZB126 Year 3 - S EGB121  Foundation Year 3 - S CAB202  EGB242 Year 4 - S EGB240 EGB243	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2 Foundations of Electrical Engineering Engineering Computation Gemester 1 Engineering Mechanics on Unit Option Gemester 2 Microprocessors and Digital Systems Signal Analysis Gemester 1 Electronic Design	
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation  Year 3 - S EGB242  Year 4 - S EGB240  EGB243  Year 4 - S EGB346	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2 Foundations of Electrical Engineering Engineering Computation Gemester 1 Engineering Mechanics on Unit Option Gemester 2 Microprocessors and Digital Systems Signal Analysis Gemester 1 Electronic Design Aircraft Systems and Flight Gemester 2 Unmanned Aircraft Systems	
Year 2 - SEGB111  MZB125  MXB161 Year 2 - SEGB120  MZB126 Year 3 - SEGB121  Foundation Year 3 - SEGB242 Year 4 - SEGB240 EGB243 Year 4 - SEGB346 Intermedia	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option Semester 2 Microprocessors and Digital Systems Signal Analysis Semester 1 Electronic Design Aircraft Systems and Flight Semester 2 Unmanned Aircraft Systems state Electrical Option Unit	
Year 2 - SEGB111  MZB125  MXB161 Year 2 - SEGB120  MZB126 Year 3 - SEGB121  Foundation Year 3 - SEGB242 Year 4 - SEGB240 EGB243 Year 4 - SEGB346 Intermedia	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option Semester 2 Microprocessors and Digital Systems Signal Analysis Semester 1 Electronic Design Aircraft Systems and Flight Semester 2 Unmanned Aircraft Systems iate Electrical Option Unit Semester 1	
Year 2 - SEGB111  MZB125  MXB161 Year 2 - SEGB120  MZB126 Year 3 - SEGB121  Foundation Year 3 - SEGB242 Year 4 - SEGB240 EGB243 Year 4 - SEGB346 Intermedia	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option Semester 2 Microprocessors and Digital Systems Signal Analysis Semester 1 Electronic Design Aircraft Systems and Flight Semester 2 Unmanned Aircraft Systems state Electrical Option Unit	

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		
Systems		

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 • Year 5 - Semester 1
- Year 5 Semester 2
- 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 - S	Semester 2	
Year 1 - 8 EGB100	Semester 2 Engineering Sustainability and Professional Practice	
	Engineering Sustainability and	
EGB100 MZB126	Engineering Sustainability and Professional Practice	
EGB100 MZB126	Engineering Sustainability and Professional Practice Engineering Computation	
EGB100 MZB126 Year 2 - S	Engineering Sustainability and Professional Practice Engineering Computation Semester 1 Foundation of Engineering	



Bachel	or of	Design	(Archi	tecture)/E
EGB120		ndations oneering	of Electri	cal
Foundation	on Un	it Option		
Year 3 - 8	Semes	ster 1		
EGB214	Mate	rials and	Manufa	cturing
EGB314	Strer	ngth of M	aterials	
Year 3 - 9	Seme	ster 2		
EGB210	Fund Design	lamentals gn	of Mec	hanical
EGB211	Dyna	amics		
Year 4 - 9	Seme	ster 1		
EGB321	-	amics of I		S
EGB323	Fluid	Mechan	ics	
Year 4 - 9	Seme	ster 2		
EGB322	Ther	modynan	nics	
EGH404	Rese Prac	earch in E tice	ngineer	ing
Year 5 - 9	Seme	ster 1		
EGB316	Desi	gn of Ma	chine Ele	ements
EGH414	Stres	ss Analys	is	
Year 5 - 8	Seme	ster 2		
EGH400 -1	Rese	earch Pro	ject 1	
EGH420	Mech	nanical S	ystems I	Design
EGH422	Adva	inced The	ermodyn	amics
EGH423	Fluid	s Dynam	ics	
Year 6 - S	Semes	ster 1		
EGH400 -2	Rese	earch Pro	ject 2	
EGH421	Vibra	ation and	Control	
Semeste	r 2 (Ju	ıly) comm	nenceme	ents
Year 1 - 9	Semes	ster 2		
EGB100		neering S essional F		bility and
PVB101	Phys	ics of the	Very La	arge
Year 2 - 9	Semes	ster 1		
EGB111	Four Design	ndation of gn	Engine	ering
MZB125		ductory E ematics	ingineer	ing
MXB161		putationa	l Explor	ations
Year 2 - 9	Seme	ster 2		
EGB120		ndations on neering	of Electri	cal
MZB126	Engi	neering (	Computa	tion
Year 3 - 9	Semes	ster 1		
EGB121	Engi	neering N	/lechanic	cs
Foundation	on Un	it Option		
Year 3 - 9	Semes	ster 2		
EGB211	Dyna	amics		
EGB314	Strer	ngth of M	aterials	
Year 4 - 9				
EGB214	Mate	rials and	Manufa	cturing
EGB323	Fluid	Mechan	ics	
Year 4 - 9	Semes	ster 2		

icneior o	r Engineering (⊓onours)
EGB210	Fundamentals of Mechanical Design
EGB322	Thermodynamics
Year 5 - S	Semester 1
EGB321	Dynamics of Machines
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 2
(No Engir	neering Units)
Year 6 - 8	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 6 - 8	Semester 2
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
	ers nester 1 (February)

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

Code	Title	
Semester 1 (February) commencements		
Year 1 - 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

V 0 6	
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
	on Unit Option
Year 3 - 9	Semester 1
EGB211	,
EGB242	Signal Analysis
Year 3 - 9	Semester 2
CAB202	Microprocessors and Digital Systems
	Control and Dynamic Systems
	Semester 1
EGB220	Mechatronics Design 1
EGB321	Dynamics of Machines
	Semester 2
EGB320	3
	ate Electrical Option Unit
Year 5 - 9	Semester 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Year 5 - 8	Semester 2
EGH400 -1	Research Project 1
EGH413	Advanced Dynamics
EGH445	Modern Control
Advanced	d Electrical Option Unit
Year 6 - 8	Semester 1
EGH400 -2	Research Project 2
EGH419	Mechatronics Design 3
Semester	2 (July) commencements
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
Or	
MXB161	Computational Explorations
Year 2 - 5	Semester 2
EGB120	Foundations of Electrical Engineering
MZB126	Engineering Computation
Year 3 - 5	Semester 1
EGB121	Engineering Mechanics
Foundation	on Unit Option
Year 3 - 8	Semester 2



	o. o o o
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 4 - 9	Semester 1
EGB211	Dynamics
EGB220	Mechatronics Design 1
Year 4 - S	Semester 2
EGB320	Mechatronics Design 2
EGB345	Control and Dynamic Systems
Year 5 - S	Semester 1
EGB321	Dynamics of Machines
Intermedi	ate Electrical Option Unit
Year 5 - 9	Semester 2
(No Engir	neering Units)
Year 6 - 8	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH446	Autonomous Systems
Year 6 - 8	Semester 2
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH413	Advanced Dynamics
Advanced	d Electrical Option Unit

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

Code	Title
Semester	1 (February) commencements
Year 1 - 8	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics

acneior o	f Engineering (Honours)
OR	
MXB161	Computational Explorations
	Semester 2
	Engineering Sustainability and
EGB100	Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
	Semester 1
LQB187	Human Anatomy
	replaces LSB131 from 2021
onwards	1 22 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
EGB314	Strength of Materials
Year 3 - 5	Semester 2
LSB231	Physiology
	Fundamentals of Mechanical
EGB210	Design
Year 4 - 8	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - 5	Semester 2
EGB211	Dynamics
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB319	BioDesign
EGH414	Stress Analysis
Year 5 - 8	Semester 2
EGH400	Decearch Project 1
-1	Research Project 1
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH418	Biomechanics
Year 6 - 5	Semester 1
EGH400 -2	Research Project 2
EGH438	Biomaterials
Semester	r 2 (July) commencements
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
MVD464	
MXB161	Computational Explorations

Year 2 - 9	Semester 2
	Foundations of Electrical
EGB120	Engineering
MZB126	<b>Engineering Computation</b>
Year 3 - 8	Semester 1
EGB121	Engineering Mechanics
	on Unit Option
Year 3 - 8	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - S	Semester 1
EGB323	Fluid Mechanics
LQB187	Human Anatomy
	eplaces LSB131 from 2021
onwards	
Year 4 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB314	Strength of Materials
Year 5 - 8	Semester 1
EGB319	BioDesign
EGH414	Stress Analysis
Year 5 - 8	Semester 2
(No Engir	neering Units)
Year 6 - 8	Semester 1
EGH400 -1	Research Project 1
EGB214	Materials and Manufacturing
EGH404	Research in Engineering Practice
EGH438	Biomaterials
Year 6 - 5	Semester 2
EGH400 -2	Research Project 2
EGH418	Biomechanics
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
	Modelling and Simulation for





### Bachelor of Design (Landscape Architecture)/Bachelor of Science

Year	2021
QUT code	ID20
CRICOS	096575M
Duration (full-time)	4 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,000 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design; Dr Graham Johnson (Science)
Discipline Coordinator	Dr Greg Mewes (Landscape Architecture); Dr Marion Bateson (Biological Science); Aspro Tim Dargaville (Chemistry); Dr Luke Nothdurft (Earth Science); Dr Andrew Baker (Environmental Science); Dr Konstantin Momot (Physics) (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)
- Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

# International Entry requirements Prerequisites

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

# International Subject prerequisites

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

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

## Minimum English requirements

Students must meet the English proficiency requirements.

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

#### **Domestic Course structure**

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

### Design component

You will complete:

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

### Science component

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

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

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in a creative or non-creative discipline area, depending on how they match with your QUT course.

## International Course structure

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

### **Design component**

You will complete:

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

### Science component

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

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

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in a creative or non-creative discipline area, depending on how they match with your





### Bachelor of Design (Landscape Architecture)/Bachelor of Science

QUT course.

### Sample Structure

#### **Semesters**

- <u>Semester 1 (February)</u> commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1

Code	Title
Semester	1 (February) commencements
Year 1, S	emester 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

### 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**

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
  Year 4, Semester 2
- Year 5, Semester 1

Title

Semester 1 (February) commencements

### Year 1, Semester 1

DYB101 Impact Lab 1: Place

DYB111 Create and Represent: Form

Science Unit

Code

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





### rchitecture)/Bachelor of Science

Bachel	or of Design (Landscape A
DYB102	Impact Lab 2: People
Science l	Unit
Science l	Jnit
Year 3, S	emester 1
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
Science l	Jnit
Science l	Jnit
Year 3, S	semester 2
DLB204	
DYB201	
Science l	·
Science l	Jnit
	emester 1
	Landscape Ecology
	from the Impact Lab Unit
	List (DYB301, KKB341 or
KKB350)	,
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Science l	Jnit
Science l	Jnit
Year 4, S	semester 2
DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio
Science l	Jnit
Science l	Jnit
Semeste	r 2 (July) commencements
Year 1, S	semester 2
DYB101	Impact Lab 1: Place
DYB113	Create and Represent:
Science l	Jnit
Science l	Jnit
	emester 1 Create and Represent: Form
DYB111	·
Science l	7
Science (	
	Idents considering studying
	in Year 3 Semester 1 must
apply by	
	semester 2
DLB102	Landscape Studio 2
DYB114	
Science l	·
Science l	
	emester 1
DLB101	Landscape Studio 1
DYB102	Impact Lab 2: People
Science l	
(	

Science l	Jnit
Year 3, S	emester 2
DLB204	Planting Design
DYB201	Impact Lab 3: Planet
Science l	Jnit
Science l	Jnit
Year 4, S	emester 1
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
Science l	Jnit
Science l	Jnit
Year 4, S	emester 2
DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio
Science l	Jnit
Science l	Jnit
Year 5, S	emester 1
DLB301	Landscape Ecology
	from the Impact Lab Unit List (DYB301, KKB341, KKB350 )1):
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
UXB301	Professional Practice
Science l	Jnit
Science l	Jnit
Semeste	Prs

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

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

### Year 1 Semester 2

Science Core Unit Option

V00	4 A
	emester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2 S	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 S	emester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3 So	emester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4 Se	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4 So	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semeste	r 2 (July) commencements
Year 1, S	Semester 2
SEB104	
SEB113	Quantitative Methods in Science
Year 2. S	Semester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2. S	Semester 2
BVB101	Foundations of Biology
BVB102	
DVD102	EVOLUTION
Year 3 S	Evolution Semester 1
Year 3, S	emester 1
Year 3, S BVB202	
	emester 1 Experimental Design and
BVB202 BVB301	Experimental Design and Quantitative Methods
BVB202 BVB301	Experimental Design and Quantitative Methods Animal Biology
BVB202 BVB301 Year 3, S	Experimental Design and Quantitative Methods Animal Biology Gemester 2
BVB202 BVB301 Year 3, S BVB201 BVB204	Experimental Design and Quantitative Methods Animal Biology Emester 2 Biological Processes
BVB202 BVB301 Year 3, S BVB201 BVB204	Experimental Design and Quantitative Methods Animal Biology Emester 2 Biological Processes Ecology
BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S	Experimental Design and Quantitative Methods Animal Biology Emester 2 Biological Processes Ecology Emester 1
BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305	Experimental Design and Quantitative Methods Animal Biology Emester 2 Biological Processes Ecology Emester 1 Plant Biology Microbiology and the Environment
BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305	Experimental Design and Quantitative Methods Animal Biology Emester 2 Biological Processes Ecology Emester 1 Plant Biology Microbiology and the Environment Emester 2
BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305 Year 4, S	Experimental Design and Quantitative Methods Animal Biology Emester 2 Biological Processes Ecology Emester 1 Plant Biology Microbiology and the Environment Emester 2 Integrative Biology Population Genetics and
BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305 Year 4, S BVB304 BVB313	Experimental Design and Quantitative Methods Animal Biology Emester 2 Biological Processes Ecology Emester 1 Plant Biology Microbiology and the Environment Emester 2 Integrative Biology Population Genetics and Molecular Ecology
BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305 Year 4, S BVB304 BVB313 Year 5, S	Experimental Design and Quantitative Methods Animal Biology Emester 2 Biological Processes Ecology Emester 1 Plant Biology Microbiology and the Environment Emester 2 Integrative Biology Population Genetics and Molecular Ecology Emester 1
BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305 Year 4, S BVB304 BVB313 Year 5, S Science 0	Experimental Design and Quantitative Methods Animal Biology Emester 2 Biological Processes Ecology Emester 1 Plant Biology Microbiology and the Environment Emester 2 Integrative Biology Population Genetics and Molecular Ecology

Science Major Unit Option



### Bachelor of Design (Landscape Architecture)/Bachelor of Science

#### **Semesters**

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

Code	Title
Year 1 Se	emester 1
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science

### Year 1 Semester 2

Introductory Calculus and MXB100 Algebra

Science Core Unit Option

#### Year 2 Semester 1

SEB115 | Experimental Science 1 SEB116 Experimental Science 2

#### Year 2 Semester 2

CVB101	General Chemistry
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) commenceme

### 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
SER116	Evnerimental Science 2

### Year 2 Semester 2

ERB101	Earth Systems
FRB102	Evolving Farth

#### Year 3 Semester 1

<b>LDD</b> つ01	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

	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	<b>Evolving Earth</b>

### Year 3, Semester 1

ERB201	Destructive Earth: Natural Hazards	
ERB202	Marine Geoscience	

### Year 3, Semester 2

ERB203	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		emester 1

SEB104 Grand Challenges in Science Quantitative Methods in **SEB113** Science

### Year 1 Semester 2

Science Core Unit Option Science Major Unit Option

#### Year 2 Semester 1

SEB115 | Experimental Science 1 SEB116 Experimental Science 2

### Year 2 Semester 2

ERB101	Earth Systems
EVB102	Ecosystems and the
	Environment

#### Year 3 Semester 1

BVB202	Quantitative Methods
EVB203	Geospatial Information Science

### Year 3 Semester 2

BVB204	Ecology

EVB302 Environmental Pollution

### Year 4 Semester 1

BVB311 Conservation Biology EVB312 | Soils and the Environment

Year 4 Semester 2



### Bachelor of Design (Landscape Architecture)/Bachelor of Science

or or besign (Landscape A		
Groundwater Systems		
Case Studies in Environmental Science		
r 2 (July) commencements		
emester 2		
Grand Challenges in Science		
Quantitative Methods in Science		
emester 1		
Experimental Science 1		
Experimental Science 2		
emester 2		
Earth Systems		
Ecosystems and the Environment		
emester 1		
Experimental Design and Quantitative Methods		
Geospatial Information Science		
emester 2		
Ecology		
Environmental Pollution		
emester 1		
Conservation Biology		
Soils and the Environment		
Year 4, Semester 2		
Groundwater Systems		
Case Studies in Environmental Science		
Year 5, Semester 1		
Science Core Unit Option		
Science Major Unit Option		

SEB116	Experimental Science 2
Year 2 Se	emester 2
PVB102	Physics of the Very Small
PVB101	Physics of the Very Large
Year 3 Se	emester 1
PVB202	Mathematical Methods in Physics
PVB203	Experimental Physics
Year 3 Se	emester 2
PVB200	Computational and Mathematical Physics
PVB204	Electromagnetism
Year 4 Se	emester 1
PVB301	Materials and Thermal Physics
PVB302	Classical and Quantum Physics
Year 4 Se	emester 2
PVB303	Nuclear and Particle Physics
PVB304	Physics Research

#### **Semesters**

Codo Titlo

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



Year	2021
QUT code	ID21
CRICOS	096576K
Duration (full-time)	4.5 years
ATAR/Selection rank	80.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$11,900 per year full-time (96 credit points)
International fee (indicative)	2021: \$31,700 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design; Director of Studies, QUT Business School
Discipline Coordinator	Sarah Briant (Architecture); Associate Prof Belinda Luke (Accountancy); Dr Louise Kelly (Advertising); Dr Radhika Lahiri (Economics); Dr Mark Doolan (Finance); Dr Ali Mohammad (Human Resource Management); Dr Shane Mathews (International Business); Dr Kavoos Mohannak (Management); Prof Larry Neale (Marketing); and Dr Anne Lane (Public Relations) Design: +61 7 3138 2000; Business: +61 7 3138 2050 askqut@qut.edu.au (Architecture); bus@qut.edu.au (Business)

# 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)

And for Accountancy, Finance, Financial Planning, Economics and Marketing majors: General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C).

# International Entry requirements

### **Prerequisites**

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

## Minimum English requirements

Students must meet the 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 432 credit points, made up of 192 credit points from the Bachelor of Business and 240 credit points from the Bachelor of Design (Architecture). You will undertake the two components of the double degree concurrently.

### **Business component**

You must complete:

- business core units (96 credit points)
- a business major (96 credit points), choosing from: accountingadvertisingeconomicsfina ncefinancial planninghuman resource managementinternational businessmanagementmarketingpubl ic relations.

Accountancy students will undertake 6 specified business core units and 10 accountancy major core units in order to meet professional recognition requirements.

### **Design component**

You will complete:

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

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

## International Course structure

In order to complete this course, you must complete a total of 432 credit points, made up of 192 credit points from the Bachelor of Business and 240 credit points from the Bachelor of Design (Architecture). You will undertake the two components of the double degree concurrently.

#### **Business component**

You must complete:

- business core units (96 credit points)
- a business major (96 credit points), choosing from: accountingadvertisingeconomicsfina ncefinancial planninghuman resource managementinternational businessmanagementmarketingpubl ic relations.

Accountancy students will undertake 6 specified business core units and 10 accountancy major core units in order to meet professional recognition requirements.

### **Design component**

You will complete:

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



### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

### **Sample Structure**

#### **Semesters**

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

Code	Title

### Semester 1 (February) commencements

## Year 1, Semester 1

DYB101 Impact Lab 1: Place

DYB111 Create and Represent: Form

**Business School Unit** 

**Business School Unit** 

#### Year 1, Semester 2

**DYB113** 

Create and Represent:

Materials

DYB114 Spatial Histories

**Business School Unit** 

**Business School Unit** 

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

### Year 2, Semester 1

ח	ΔΕ	21	<b>N</b> 1	

Architectural Design 1:

**Explorations** 

DYB112 | Spatial Materiality

**Business School Unit** 

**Business School Unit** 

### Year 2, Semester 2

**DAB102** 

Architectural Design 2: Spaces

**DAB303** 

Integrated Architectural Technology

**Business School Unit** 

**Business School Unit** 

### Year 3, Semester 1

Architectural Design 3: **DAB201** Dwelling

Environmental Principles of **DAB211** 

Architectural Design **Business School Unit** 

**Business School Unit** 

### Year 3, Semester 2

DAB202 Architectural Design 4: Metro

Small Scale Building Construction

**Business School Unit** 

**Business School Unit** 

### Year 4, Semester 1

DAB311 Systems and Structures DYB102 Impact Lab 2: People

**Business School Unit** 

**Business School Unit** 

### Year 4, Semester 2

Architectural Design 6: DAB302 Communities

DAB312 Building Services

**Business School Unit** 

**Business School Unit** 

#### Year 5, Semester 1

DAB200 Modern Architecture Architectural Design 5: **DAB301** 

Commercial 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

Semester 2 (July) commencements

### Year 1, Semester 2

DYB101 Impact Lab 1: Place

Create and Represent: **DYB113** Materials

**Business School Unit** 

**Business School Unit** 

### Year 2, Semester 1

DYB111 Create and Represent: Form DYB112 | Spatial Materiality

**Business School Unit** 

**Business School 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

**Business School Unit** 

#### **Business School Unit**

### Year 3, Semester 1

Architectural Design 1: **DAB101 Explorations** 

DAB200 Modern Architecture

**Business School Unit** 

**Business School Unit** 

### Year 3, Semester 2

Architectural Design 2: **DAB102** Spaces

DYB201 Impact Lab 3: Planet

**Business School Unit Business School Unit** 

### Year 4, Semester 1

Architectural Design 3: **DAB201** Dwelling

Environmental Principles of **DAB211** Architectural Design

**Business School Unit** 

**Business School Unit** 

### Year 4, Semester 2

DAB202 | Architectural Design 4: Metro

Small Scale Building **DAB212** Construction

**Business School Unit** 

**Business School Unit** 

### Year 5, Semester 1

Architectural Design 5: **DAB301** Commercial

DAB311 Systems and Structures

**Business School Unit** 

**Business School Unit** 

## Year 5, Semester 2

Architectural Design 6: **DAB302** Communities Integrated Architectural

**DAB303** 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

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



### Bachelor of Business/Bachelor of D

•	Year	2,	Sem	<u>ester</u>	1
		_	_		_

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

<ul><li>Yea</li></ul>	r 4, Semester 1 r 4, Semester 2
• <u>Yea</u>	r 5, Semester 1 r 5, Semester 2
Code	Title r 1 (February) commencements
	Semester 1
· ·	Impact Lab 1: Place
	Create and Represent: Form
	School Unit
	School Unit
	Semester 2
	Create and Penresent:
DYB113	Materials
DYB114	Spatial Histories
Business	School Unit
Business	School Unit
	idents considering studying
	in Year 2 Semester 2 must
	1 November.
rear 2, S	Semester 1
DAB101	Architectural Design 1: Explorations
DYB112	Spatial Materiality
Business	School Unit
	School Unit
Year 2, S	Semester 2
DAB102	Architectural Design 2: Spaces
DAB303	Integrated Architectural Technology
Business	School Unit
Business	School Unit
Year 3, S	Semester 1
DAB201	Architectural Design 3: Dwelling
DAB211	Environmental Principles of Architectural Design
Business	School Unit
Business	School Unit
Year 3, S	Semester 2
DAB202	Architectural Design 4: Metro
DAB212	Small Scale Building Construction
Business	School Unit

**Business School Unit** Year 4, Semester 1

**Business School Unit Business School Unit** 

Year 4, Semester 2

DAB311 Systems and Structures DYB102 Impact Lab 2: People

sign (Ar	chitecture)
DAB302	Architectural Design 6: Communities
DAB312	Building Services
Business	School Unit
Business	School Unit
Year 5, S	emester 1
DAB200	Modern Architecture
DAB301	Architectural Design 5: Commercial
DYB201	Impact Lab 3: Planet
	from the Impact Lab Unit ist (DYB301, KKB341 or
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tou
Semester	2 (July) commencements
Year 1, S	emester 2
DYB101	Impact Lab 1: Place
DYB113	Create and Represent: Materials
Business	School Unit
Business	School Unit
Year 2, S	emester 1
DYB111	Create and Represent: Form
DYB112	Spatial Materiality
Business	School Unit
Business	School Unit
overseas apply by	
	emester 2
	Impact Lab 2: People
DYB114	Spatial Histories
	School Unit
	School Unit
Year 3, S	emester 1
DAB101	Architectural Design 1: Explorations
DAB200	Modern Architecture
	School Unit
	School Unit
Year 3, S	emester 2
DAB102	Architectural Design 2: Spaces
DYB201	Impact Lab 3: Planet
	School Unit
	School Unit
Year 4, S	emester 1
DAB201	Architectural Design 3: Dwelling
DAB211	Environmental Principles of Architectural Design
DADZII	7 ii ornitootarar Boolgii
	School Unit
Business	

Year 4, S	emester 2	
DAB202	Architectural Design 4: Metro	
DAB212	Small Scale Building Construction	
Business	School Unit	
Business	School Unit	
Year 5, S	emester 1	
DAB301	Architectural Design 5: Commercial	
DAB311	Systems and Structures	
Business	School Unit	
Business	School Unit	
Year 5, S	emester 2	
DAB302	Architectural Design 6: Communities	
DAB303	Integrated Architectural Technology	
DAB312	Building Services	
One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):		
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
UXB301	Professional Practice	
Semeste	rs	

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

Code	Title	
Year 1, Semester 1		
BSB107	Financial Performance and Responsibility	
BSB108	Business Environment	
Year 1, S	emester 2	
BSB111	Business Law and Ethics	
BSB110	Accounting	
BSB110 a	ncy students undertake and BSB111 as the Core nits to ensure professional tion.	
Year 2, S	emester 1	
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 2, Semester 2		
AYB225	Management Accounting	
AYB200	Financial Accounting	
Year 3, Semester 1		
AYB221	Accounting Systems and Analytics	



EFB210 Finance 1

Year 3, Semester 2		
AYB230	Corporations Law	
AYB219	Taxation Law	
Year 4, Semester 1		
AYB321	Strategic Management Accounting	
AYB340	Company Accounting	
Year 4, Semester 2		
AYB311	Financial Accounting Issues	
AYB301	Audit and Assurance	

#### **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
- Core Options Units List:

Core Options Units List:	
Code	Title
Year 1, S	emester 1
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, S	emester 2
BSB107	Financial Performance and Responsibility
Select a unit from the Core Options Unit List	
Year 2, S	emester 1
AMB200	Consumer Behaviour
AMB201	Marketing and Audience Analytics
Year 2, S	emester 2
AMB220	Advertising Works
BSB108	Business Environment
Year 3, S	emester 1
AMB319	Consumers and Media Channels
BSB250	Business Citizenship
Year 3, S	emester 2
AMB318	Create Advertising
Select a u	unit from the Core Options Unit
Year 4, S	emester 1
AMB320	Advertising Management
AMB330	- ·3····· -
Year 4, S	emester 2
AMB339	Advertising Campaigns
BSB399	Real World Ready - Business Capstone
Core Opt	ions Units List:
Select tw the follow	o units (24 credit points) from ring:
BSB130	Social Enterprises
BSB131	Applied Business Analytics

BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

"Select a unit from the Economics Options List or the Core Options Unit List" is repeated 5 times in this course progression. Please note that there are two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groupsmay be undertaken.

### **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
- Core Options Units
- Economics Options List

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB108	Business Environment
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	

EFB222	Introduction to Applied
	Econometrics

Select a unit from the Core Options Unit List or The Economics Options List

\*Students undertake EFB222 as one of the Economics Options Units.

### Year 2, Semester 2

EFB223 Economics 2

Select a unit from the Core Options Unit List or The Economics Options List

#### Year 3, Semester 1

EFB331 Intermediate Microeconomics Select a unit from the Core Options Unit List or The Economics Options List

### Year 3, Semester 2

BSB250 Business Citizenship

Select a unit from the Core Options Unit List or The Economics Options List

### Year 4, Semester 1

BSB399	Real World Ready - Business Capstone
EFB330	Intermediate Macroeconomics

Year 4, Semester 2	
FFB338	Contemporary Application of

**Economic Theory** Select a unit from the Core Options Unit

List or The Economics Options List

#### Core Options Units

EFB338

Select two units (24 credit points) from the following:

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

### **Economics Options List**

Select four units (48 credit points) from the Quantitative and/or Applied Economics Units List:

EFB222	Introduction to Applied Econometrics
EFB332	Applied Behavioural Economics
EFB333	Applied Econometrics
EFB337	Game Theory and Applications
EFB201	Financial Markets
EFB225	Economics for the Real World
EFB226	Environmental Economics and Policy
EFB336	International Economics

#### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility

#### Year 1, Semester 2

**BSB108** Business Environment

Select a unit from the Core Options Unit List

### Year 2, Semester 1

BSB105 The Future Enterprise

EFB210 Finance 1

Year 2, Semester 2

**EFB201** Financial Markets



Select a unit from the Core Options Unit Year 3, Semester 1 EFB343 Corporate Finance EFB335 Investments Year 3, Semester 2 BSB250 Business Citizenship EFB312 International Finance Year 4, Semester 1

Real World Ready - Business BSB399 Capstone EFB223 Economics 2

Year 4, Semester 2 EFB360 Finance Capstone Risk Management and **EFB344** Derivatives **Core Options Units** 

Select two units (24 credit points) from the following: BSB130 | Social Enterprises BSB131 Applied Business Analytics **Undergraduate Business** BSB305 Internship

BSB111 Business Law and Ethics **Experiential Learning:** BSB009 Innovation, Ideas and Enterprise Skills

### **Semesters**

• Year 1, Semester 1

BSB110 Accounting

- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List

Code	Title
Year 1, Semester 1	
BSB107	Financial Performance and

Responsibility

BSB108 Business Environment Year 1, Semester 2

BSB105 The Future Enterprise

BSB106 Dynamic Markets

Year 2, Semester 1

BSB111 Business Law and Ethics Select a unit frm the Core Options List

Note: Financial Planning students undertake BSB111 as one of the two Core Options Units for professional accreditation purposes

Year 2, Semester 2

AYB219 Taxation Law EFB210 Finance 1

Year 3, Semester 1

AYB250	Personal Financial Planning
BSB250	Business Citizenship
Year 3, S	emester 2
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, S	emester 1
EFB227	Insurance, Risk Management and Estate Planning
EFB345	Managing Investments and Client Relationships
Year 4, S	emester 2
AYB346	Financial Plan Construction (Capstone)
BSB399	Real World Ready - Business Capstone
Core Opt	ions Units List
BSB111 a	Planning students select and one other (12 credit points) Core Options Units List
BSB111	Business Law and Ethics
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB009	Experiential Learning: Innovation, Ideas and

#### **Semesters**

Year 1, Semester 1

Enterprise Skills

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

Code	Title
Year 1, Semester 1	
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, S	emester 2
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, Semester 1	
MGB21 4	Introducing People Management and Analytics
MGB20 0	Managing People
Year 2, Semester 2	
MGB22 9	Obligations and Options for Employing People
Select a u	unit from the Core Options Unit

Year 3, S	emester 1		
BSB250	Business Citizenship		
MGB23	Recruiting and Selecting		
0	People		
Year 3, S	emester 2		
MGB33	5		
1	Developing People		
MGB33	Managing Performance and		
9	Rewards		
Year 4, S	emester 1		
DODOOO	Real World Ready - Business		
BSB399	Capstone		
Select on	e unit (12 credit points) from		
the follow	ing:		
MGB31	Managing Sustainable		
0	Change		
MGB33	Workplace Learning		
8	Workplace Learning		
MGB30	Independent Study		
6	macpenaem otaay		
Year 4, S	emester 2		
MGB37	Creating Value through		
2	People		
Select a u	unit from the Core Options Unit		
List			
Core Unit	Options List		
Select two units (24 credit points) from			
the Core	Options Unit List:		
BSB130	Social Enterprises		
BSB131	Applied Business Analytics		
BSB305	Undergraduate Business		
מטפטפט	Internship		

### **Semesters**

BSB110

BSB111

BSB009

Year 1, Semester 1

Accounting

**Business Law and Ethics** 

**Experiential Learning:** 

Innovation, Ideas and

**Enterprise Skills** 

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

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• (	Core	Op	tions	Units

Code	Title	
Year 1, S	emester 1	
BSB106	Dynamic Markets	
BSB108	Business Environment	
Year 1, S	emester 2	
BSB105	The Future Enterprise	
BSB107	Financial Performance and Responsibility	
Year 2, Semester 1		

AMB210 Importing and Exporting



Select a unit frm the Core Options List			
Year 2, Semester 2			
MGB22 5	Intercultural Communication and Negotiation Skills		
Select a u	unit from the Core Options Unit		
Year 3, S	emester 1		
AYB227	International Accounting		
BSB250	Business Citizenship		
Year 3, S	emester 2		
EFB240	Finance for International Business		
MGB34 0	International Business in the Asia-Pacific		
Year 4, S	emester 1		
AMB303	International Logistics		
AMB336	International Marketing		
Year 4, Semester 2			
AMB369	International Business Strategy		
BSB399	Real World Ready - Business Capstone		
Core Opt	ions Units		
	o units (24 credit points) from		
the follow	-		
BSB130	Social Enterprises		
BSB131	Applied Business Analytics		
BSB305	Undergraduate Business Internship		
BSB110	Accounting		
BSB111	Business Law and Ethics		
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills		

### **Semesters**

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

•	Core	Or	otions	Units	List
	OOIC	$\sim$	200113	OHILO	

Code	Tille		
Year 1, Semester 1			
BSB106	Dynamic Markets		
BSB105	The Future Enterprise		
Year 1, S	emester 2		
BSB107	Financial Performance and Responsibility		
Select a unit from the Core Options Unit List			
Year 2, S	Year 2, Semester 1		
BSB108	Business Environment		
Select a unit from the Core Options List			
Year 2, Semester 2			

AMB200	Consumer Behaviour	
AMB240	Marketing Planning and Management	
Year 3, S	emester 1	
AMB202	Integrated Marketing Communication	
AMB201	Marketing and Audience Analytics	
Year 3, S	emester 2	
BSB250	Business Citizenship	
AMB330	Digital Optimisation	
Year 4, S	emester 1	
AMB340	Services Marketing	
AMB336	International Marketing	
Year 4, Semester 2		
BSB399	Real World Ready - Business Capstone	
AMB359	Strategic Marketing	
Core Opt	ions Units List	
Select two	o units (24 credit points) from ing:	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

#### **Semesters**

Code

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

Title

Year 1, Semester 1

• Core Options Units List

BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, S	emester 2
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, S	emester 1
MGB22 5	Intercultural Communication and Negotiation Skills
MGB20 0	Managing People
Year 2, S	emester 2
MGB22 6	Innovation, Knowledge and Creativity

list		
Year 3, S	emester 1	
BSB250	Business Citizenship	
Select on	e of the following:	
MGB21 0	Managing Operations	
MGB22 7	Entrepreneurship	
0, 1, 1	1 ( 1 ) (1 ) (4	

Students undertaking the Management stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete MGB227.

### Year 3, Semester 2

Select a unit from the Core Options Unit

Select one of the following:

00.000.011	o or the fellowing.
MGB33 5	Managing Projects
MGB32 4	Managing Business Growth

Students undertaking the Management stream must complete MGB335. Students undertaking the

Entrepreneurship stream must complete

	Year 4, Semester 1		
	MGB34 1	Managing Risk	
	BSB399	Real World Ready - Business Capstone	
	Year 4, Semester 2		

	MGB30 9	Managing Strategically	
	Select one of the following:		
	MGB31 0	Managing Sustainable Change	
	MGB33	Workplace Learning	

### Core Options Units List

Select two units (24 credit points) from the following: BSB130 Social Enterprises

DOD 100	Oodai Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

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



Year 4, Semester 2

	<u>r 4, Semester 2</u> e Options Units List
Code	Title
	Semester 1
BSB106	,
BSB105	The Future Enterprise
	Semester 2
BSB108	
BSB107	Financial Performance and Responsibility
Year 2, S	Semester 1
AMB264	Media Relations and Publicity
AMB263	Introduction to Public Relations
Year 2, S	Semester 2
AMB201	Marketing and Audience Analytics
AMB372	Public Relations Planning
Year 3, S	Semester 1
BSB250	Business Citizenship
AMB374	Global Public Relations Cases
Year 3, S	Semester 2
AMB375	Internal Communication and Change
Select a	unit from the Core Options Unit
Year 4, S	semester 1
BSB399	Real World Ready - Business Capstone
AMB373	Issues, Stakeholders and Reputation
Year 4, S	
	emester 2
AMB379	
Select a	Public Relations Campaigns
Select a List	Public Relations Campaigns unit from the Core Options Unit
Select a List	Public Relations Campaigns unit from the Core Options Unit ions Units List o units (24 credit points) from
Select a List Core Opt Select tw	Public Relations Campaigns unit from the Core Options Unit ions Units List o units (24 credit points) from
Select a List Core Opt Select tw the follow	Public Relations Campaigns unit from the Core Options Unit ions Units List o units (24 credit points) from ving:
Select a List Core Opt Select tw the follow BSB130	Public Relations Campaigns unit from the Core Options Unit ions Units List o units (24 credit points) from ing: Social Enterprises
Select a List  Core Opt Select tw the follow BSB130 BSB131	Public Relations Campaigns unit from the Core Options Unit  ions Units List o units (24 credit points) from ving:  Social Enterprises Applied Business Analytics Undergraduate Business
Select a List  Core Opt Select tw the follow BSB130 BSB131 BSB305	Public Relations Campaigns unit from the Core Options Unit ions Units List o units (24 credit points) from //ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship

BSB009 Innovation, Ideas and Enterprise Skills





Year	2021
QUT code	IX59
CRICOS	084925D
Duration (full-time)	5 years
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$10,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,300 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; or Dr Jacob Coetzee (Engineering)
Discipline Coordinator	+61 7 3138 2050; +61 7 3138 2000 bus@qut.edu.au; askqut@qut.edu.au

# Domestic Assumed knowledge

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

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

## International 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**

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 units to allow them to complete professional requirements.

## International Course structure

To graduate with a Bachelor of Engineering (Honours) in IX59, students are required to complete 288 credit points of course units, as outlined below:

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

Honours units to consist of:

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

To complete the Bachelor of Business students will complete 192 credit points of course units, as outlined below:

- eight Business School core units (96 credit points) \*
- eight major core units (96 credit points)

\*Accounting major students complete six business core units and 10 accountancy major units to allow them to complete professional requirements.

### **Sample Structure** Semesters

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

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



<sup>\*</sup>Accounting major students complete six business core units and 10

Bacnel	or of Business/Bachelor of
MZB126	Engineering Computation
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
	Semester 2
CVB101	General Chemistry
	·
EGB322	Thermodynamics
	Semester 1
EGB262	Process Principles
EGB362	Operations Management and Process Economics
Year 4 - 9	Semester 2
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - 9	Semester 1
EGB361	Minerals and Minerals Processing
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - 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

	1 001		3011100	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	=
Code		Title			

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

	ig (i loriours)
MXB161	Computational Explorations
Year 1 - 3	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB123	Civil Engineering Systems
Foundation	on Unit Option
Year 3 - 9	Semester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - 8	Semester 2
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, S	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - 9	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - S	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

#### **Semesters**

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

C	ode	litte
Se	emester	1 (February) commencements

Year 1 - 9	Semester 1
EGB113	Energy in Engineering
	Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - 5	Semester 2
CAB202	Microprocessors and Digital Systems
Intermedi	iate Electrical Option Unit
Year 4 - 9	Semester 1
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - 9	Semester 2
CAB403	Systems Programming
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
CAB302	Software Development
EGH456	Embedded Systems
	d Computer & Software
Systems	
V	Option Unit
Year 5 - 8 EGH400 -2	Option Unit
EGH400	Option Unit Semester 2 Research Project 2
EGH400 -2 EGH455 Advanced	Option Unit Semester 2 Research Project 2

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



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

Code	
	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - S	Semester 1
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - S	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit (1)
	can be selected from the list. A
	waiver for this unit will be
granted it the same	you are enrolled in EGB242 at time
	Semester 1
EGB340	Design and Practice
	on Unit Option
Year 4 - S	·
	Semester 2
Intermedi	Semester 2 ate Electrical Option Unit (2)
Intermedi Intermedi	Semester 2 ate Electrical Option Unit (2) ate Electrical Option Unit (3)
Intermedi Intermedi Year 5 - S	Semester 2 ate Electrical Option Unit (2) ate Electrical Option Unit (3) Semester 1
Intermedi Intermedi Year 5 - S EGH400	Semester 2 ate Electrical Option Unit (2) ate Electrical Option Unit (3)
Intermedi Intermedi Year 5 - S EGH400	Semester 2 ate Electrical Option Unit (2) ate Electrical Option Unit (3) Semester 1
Intermedi Intermedi Year 5 - S EGH400 -1 EGH404	Semester 2 ate Electrical Option Unit (2) ate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering
Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced	Semester 2 ate Electrical Option Unit (2) ate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice
Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Advanced	Semester 2 ate Electrical Option Unit (2) ate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice If Electrical Option Unit (1)
Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Advanced	Semester 2 ate Electrical Option Unit (2) ate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice If Electrical Option Unit (1) If Electrical Option Unit (2)
Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Advanced Year 5 - S EGH400 -2	Semester 2 ate Electrical Option Unit (2) ate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice d Electrical Option Unit (1) d Electrical Option Unit (2) Semester 2
Intermedi Intermedi Year 5 - S EGH400 -1 EGH404 Advanced Advanced Year 5 - S EGH400 -2 Advanced	Semester 2 ate Electrical Option Unit (2) ate Electrical Option Unit (3) Semester 1 Research Project 1 Research in Engineering Practice I Electrical Option Unit (1) I Electrical Option Unit (2) Semester 2 Research Project 2

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

Code	Title
Semester	1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 1 - 8	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 3	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - 8	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit
Year 4 - S	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - 9	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - 5	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced	d Electrical Option Unit

EGH450	Advanced Unmanned Aircraft Systems
Advanced	d Electrical Option Unit

### **Semesters**

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

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 8	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 8	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - 8	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - 8	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - 9	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - S	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control





Year 5 - Semester 2

EGH445 Modern Control

Research Project 2

EGH400

-2

Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

#### **Semesters**

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

Code	Title
Semeste	r 1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 3	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 3	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - 8	Semester 2
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - 9	Semester 1
EGB220	Mechatronics Design 1
	iate Mechanical Option Unit
Year 4 - 9	Semester 2
EGB320	Mechatronics Design 2
Intermed	iate Electrical Option Unit
Year 5 - S	Semester 1
EGH400	Research Project 1

EGH404 Research in Engineering

-1

	Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
Advanced	Mechanical Option Unit
EGH446	Autonomous Systems
Advanced	d Electrical Option Unit

#### **Semesters**

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

• <u>rea</u>	
Code	Title
Semester	1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
E00400	Foundations of Electrical
EGB120	Engineering
Foundation	Engineering
Foundation	Engineering on Unit Option Semester 1
Foundation	Engineering on Unit Option Semester 1
Foundation Year 3 - S EGB314 LQB187 LQB187	Engineering on Unit Option Semester 1 Strength of Materials
Foundation Year 3 - S EGB314 LQB187 LQB187 onwards	Engineering on Unit Option  Semester 1  Strength of Materials  Human Anatomy replaces LSB131 from 2021
Foundation Year 3 - 5 EGB314 LQB187 LQB187 onwards Year 3 - 5	Engineering on Unit Option Semester 1 Strength of Materials Human Anatomy replaces LSB131 from 2021 Semester 2
Foundation Year 3 - 5 EGB314 LQB187 LQB187 LQB187 onwards Year 3 - 5 EGB211	Engineering on Unit Option Semester 1 Strength of Materials Human Anatomy replaces LSB131 from 2021 Semester 2 Dynamics
Foundation Year 3 - 5 EGB314 LQB187 LQB187 LQB187 onwards Year 3 - 5 EGB211 LSB231	Engineering on Unit Option Semester 1 Strength of Materials Human Anatomy replaces LSB131 from 2021 Semester 2 Dynamics Physiology
Foundation Year 3 - 5 EGB314 LQB187 LQB187 onwards Year 3 - 5 EGB211 LSB231 Year 4 - 5	Engineering on Unit Option Semester 1 Strength of Materials Human Anatomy replaces LSB131 from 2021 Semester 2 Dynamics Physiology Semester 1
Foundation Year 3 - 5 EGB314 LQB187 LQB187 onwards Year 3 - 5 EGB211 LSB231 Year 4 - 5 EGB214	Engineering on Unit Option Semester 1 Strength of Materials Human Anatomy replaces LSB131 from 2021 Semester 2 Dynamics Physiology Semester 1 Materials and Manufacturing
Foundation Year 3 - 5 EGB314 LQB187 LQB187 LQB187 onwards Year 3 - 5 EGB211 LSB231 Year 4 - 5 EGB214 EGB323	Engineering on Unit Option Semester 1 Strength of Materials Human Anatomy replaces LSB131 from 2021 Semester 2 Dynamics Physiology Semester 1 Materials and Manufacturing Fluid Mechanics
Foundation Year 3 - 5 EGB314 LQB187 LQB187 LQB187 onwards Year 3 - 5 EGB211 LSB231 Year 4 - 5 EGB214 EGB323	Engineering on Unit Option Semester 1 Strength of Materials Human Anatomy replaces LSB131 from 2021 Semester 2 Dynamics Physiology Semester 1 Materials and Manufacturing

EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB319	BioDesign
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH438	Biomaterials
LOI 1400	Diomatchais

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

<ul> <li>Year 4, Semester 2</li> </ul>		
Code	Title	
Year 1, S	emester 1	
BSB107	Financial Performance and Responsibility	
BSB108	Business Environment	
Year 1, S	emester 2	
BSB111	Business Law and Ethics	
BSB110	Accounting	
Accountancy students undertake BSB110 and BSB111 as the Core Option Units to ensure professional accreditation.		
Year 2, S	emester 1	
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 2, S	emester 2	
AYB225	Management Accounting	
AYB200	Financial Accounting	
Year 3, S	emester 1	
AYB221	Accounting Systems and Analytics	
EFB210	Finance 1	
Year 3, S	emester 2	
AYB230	Corporations Law	
AYB219	Taxation Law	
Year 4, S	emester 1	
AYB321	Strategic Management Accounting	
AYB340	Company Accounting	
Year 4, S	emester 2	
AYB311	Financial Accounting Issues	
AYB301	Audit and Assurance	



#### **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
- Core Options Units List:

Code	Title
Year 1, S	emester 1
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	
BSB107	Financial Performance and Responsibility

Select a unit from the Core Options Unit

#### Year 2, Semester 1

List

AMB200	Consumer Behaviour
AMB201	Marketing and Audience Analytics

#### Year 2, Semester 2

AMB220	Advertising Works
BSB108	<b>Business Environment</b>

#### Year 3, Semester 1

AMB319	Consumers and Media Channels
BSB250	Business Citizenship

#### Year 3, Semester 2

AMB318 Create Advertising

Select a unit from the Core Options Unit

### Year 4, Semester 1

AMB320	Advertising Management
AMB330	Digital Optimisation

#### Year 4, Semester 2

AMB339	Advertising Campaigns
BSB399	Real World Ready - Business Capstone

### Core Options Units List:

Select two units (24 credit points) from		
the follow	ring:	
BSB130	Social Enterprises	

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

"Select a unit from the Economics Options List or the Core Options Unit List" is repeated 5 times in this course progression. Please note that there are

two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groupsmay be undertaken.

#### **Semesters**

•	Vear 1	Semester 1
•	i cai i	, Selliestel I

- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units
- Economics Options List

Code	Title	
Year 1, Semester 1		
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, Semester 2		

Financial Performance and

### Responsibility Year 2, Semester 1

**BSB107** 

EFB222	Introduction to Applied
LFDZZZ	Econometrics

BSB108 Business Environment

Select a unit from the Core Options Unit List or The Economics Options List

\*Students undertake EFB222 as one of the Economics Options Units.

### Year 2, Semester 2

EFB223   Economics	2
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Select a unit from the Core Options Unit List or The Economics Options List

### Year 3, Semester 1

**EFB331** Intermediate Microeconomics Select a unit from the Core Options Unit List or The Economics Options List

### Year 3, Semester 2

BSB250	Business Citizenship
Select a u	unit from the Core Options

Unit List or The Economics Options List

### Year 4, Semester 1

BSB399	Real World Ready - Business Capstone
EFB330	Intermediate Macroeconomics

#### Year 4, Semester 2

EFB338	Contemporary Application of
EFD330	Economic Theory

Select a unit from the Core Options Unit List or The Economics Options List

#### Core Options Units

Select two units (24 credit points) from the following:

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business

BSB110 Accounting BSB111 Business Law and Ethics Experiential Learning: Innovation, Ideas and Enterprise Skills		Internship
Experiential Learning: BSB009 Innovation, Ideas and	BSB110	Accounting
BSB009 Innovation, Ideas and	BSB111	Business Law and Ethics
·	BSB009	,

#### Economics Options List

Select four units (48 credit points) from the Quantitative and/or Applied

Economics Units List:		
EFB222	Introduction to Applied Econometrics	
EFB332	Applied Behavioural Economics	
EFB333	Applied Econometrics	
EFB337	Game Theory and Applications	
EFB201	Financial Markets	
EFB225	Economics for the Real World	
EFB226	Environmental Economics and Policy	
EFB336	International Economics	

#### **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
- Core Options Units

Code	Title
Year 1, S	emester 1
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
V4 0	

#### Year 1, Semester 2

**BSB108** Business Environment

Select a unit from the Core Options Unit List

### Year 2, Semester 1

BSB105 The Future Enterprise

EFB210 Finance 1

### Year 2, Semester 2

EFB201 Financial Markets

Select a unit from the Core Options Unit list

#### Year 3, Semester 1

EFB343 | Corporate Finance EFB335 Investments

#### Year 3, Semester 2

BSB250 Business Citizenship EFB312 International Finance

### Year 4, Semester 1

Real World Ready - Business **BSB399** Capstone



EFB223	Economics 2
Year 4, S	emester 2
EFB360	Finance Capstone
EFB344	Risk Management and Derivatives
Core Opt	ions Units
Select two	o units (24 credit points) from ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters	S	e	m	es	ste	rs
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- Year 1, Semester 1 Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List

Code	Title	
Year 1, S	emester 1	
BSB107	Financial Performance and Responsibility	
BSB108	Business Environment	
Year 1, S	emester 2	
BSB105	The Future Enterprise	
BSB106	Dynamic Markets	
Year 2, S	emester 1	
BSB111	Business Law and Ethics	
Select a	unit frm the Core Options List	
undertake BSB111 as one of the two Core Options Units for professional accreditation purposes		
Year 2, S	emester 2	
AYB219	Taxation Law	
EFB210	Finance 1	
Year 3, S	emester 1	
AYB250	Personal Financial Planning	
BSB250	Business Citizenship	
Year 3, S	emester 2	
AYB232	Financial Services Regulation and Law	
AYB240	Superannuation and Retirement Planning	
Year 4, S	emester 1	
EFB227	Insurance, Risk Management	

and Estate Planning

Managing Investments and

EFB345

	Client Relationships	
Year 4, S	emester 2	
AYB346	Financial Plan Construction (Capstone)	
BSB399	Real World Ready - Business Capstone	
Core Opti	ons Units List	
Financial Planning students select BSB111 and one other (12 credit points) from the Core Options Units List		
BSB111	Business Law and Ethics	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

### **Semesters**

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

•	Core	Unit	<b>Options</b>	List
			-	

	Code	Title
Year 1, Semester 1		emester 1
	BSB105	The Future Enterprise
	BSB108	Business Environment
	Year 1, Semester 2	
	BSB106	Dynamic Markets
	BSB107	Financial Performance and Responsibility

Year 2,	Semester 1
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MGB21 4	Introducing People Management and Analytics
MGB20 0	Managing People

### Year 2, Semester 2

Select a unit from the Core Options Unit List

### Year 3, Semester 1

BSB250	Business Citizenship
MGB23	Recruiting and Selecting
0	People

### Year 3, Semester 2

MGB33 1	Developing People
MGB33 9	Managing Performance and Rewards

Year 4, Semester 1

BSB399	Real World Ready - Business Capstone
Select one unit (12 credit points) from the following:	
MGB31 0	Managing Sustainable Change
MGB33 8	Workplace Learning
MGB30 6	Independent Study
Year 4, S	emester 2
MGB37 2	Creating Value through People
	•
Select a u	unit from the Core Options Unit
List	unit from the Core Options Unit Options List
Core Unit	·
Core Unit	Options List o units (24 credit points) from
Core Unit Select two the Core	Options List o units (24 credit points) from Options Unit List:
Core Unit Select two the Core BSB130	Options List o units (24 credit points) from Options Unit List: Social Enterprises
Core Unit Select two the Core BSB130 BSB131	Options List o units (24 credit points) from Options Unit List: Social Enterprises Applied Business Analytics Undergraduate Business
Core Unit Select tw the Core BSB130 BSB131 BSB305	o units (24 credit points) from Options Unit List: Social Enterprises Applied Business Analytics Undergraduate Business Internship

Innovation, Ideas and

**Enterprise Skills** 

### **Semesters**

BSB009

- Year 1, Semester 1
- Year 1, Semester 2Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units

Code	Title	
Year 1, S	emester 1	
BSB106	Dynamic Markets	
BSB108	Business Environment	
Year 1, Semester 2		
BSB105	The Future Enterprise	
BSB107	Financial Performance and Responsibility	
Year 2, Semester 1		
AMB210	Importing and Exporting	

Select a unit frm the Core Options List

### Year 2, Semester 2

MGB22	Intercultural Communication
5	and Negotiation Skills

Select a unit from the Core Options Unit

### Year 3, Semester 1

AYB227	International Accounting
BSR250	Rusiness Citizenshin

Year 3, Semester 2



EFB240	Finance for International Business
MGB34 0	International Business in the Asia-Pacific
Year 4, S	emester 1
AMB303	International Logistics
AMB336	International Marketing
Year 4, S	emester 2
AMB369	International Business Strategy
BSB399	Real World Ready - Business Capstone
Core Opt	ions Units
	o units (24 credit points) from
Select two	o units (24 credit points) from
Select two	o units (24 credit points) from ing:
Select two the follow BSB130	o units (24 credit points) from ing: Social Enterprises
Select two the follow BSB130 BSB131	o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business
Select two the follow BSB130 BSB131 BSB305	o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship

### **Semesters**

MGB21

0

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- · Core Options Units List

Core Options Onits List		
Code	Title	
Year 1, S	emester 1	
BSB105	The Future Enterprise	
BSB108	Business Environment	
Year 1, S	emester 2	
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Year 2, S	emester 1	
MGB22 5	Intercultural Communication and Negotiation Skills	
MGB20 0	Managing People	
Year 2, S	emester 2	
MGB22 6	Innovation, Knowledge and Creativity	
Select a u	unit from the Core Options Unit	
Year 3, S	emester 1	
BSB250	Business Citizenship	
Select on	e of the following:	

**Managing Operations** 

9	9 (	
MGB22 7	Entrepreneurship	
Students undertaking the Management stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete MGB227.		
	emester 2	
	unit from the Core Options Unit	
Select on	e of the following:	
MGB33 5	Managing Projects	
MGB32 4	Managing Business Growth	
Students undertaking the Management stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324.		
Year 4, Semester 1		
MGB34 1	Managing Risk	
BSB399	Real World Ready - Business Capstone	
Year 4, S	emester 2	
MGB30 9	Managing Strategically	
Select one of the following:		
MGB31 0	Managing Sustainable Change	
MGB33 8	Workplace Learning	
•	ions Units List	
Select two	o units (24 credit points) from ring:	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
	Undergraduate Business	

0	Change
MGB33 8	Workplace Learning
Core Opti	ions Units List
Select two units (24 credit points) from the following:	
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

#### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Core Options Units List

BSB105 The Future Enterprise

Code	Title
Year 1, Semester 1	
BSB106	Dynamic Markets

Year 1, S	emester 2
BSB107	Financial Performance and Responsibility
Select a ι List	unit from the Core Options Unit
Year 2, S	emester 1
BSB108	Business Environment
Select a u	unit from the Core Options List
Year 2, S	emester 2
AMB200	Consumer Behaviour
AMB240	Marketing Planning and Management
Year 3, S	emester 1
AMB202	Integrated Marketing Communication
AMB201	Marketing and Audience Analytics
Year 3, S	emester 2
BSB250	Business Citizenship
AMB330	Digital Optimisation
Year 4, S	emester 1
AMB340	Services Marketing
AMB336	International Marketing
Year 4, S	emester 2
BSB399	Real World Ready - Business Capstone
AMB359	Strategic Marketing
Core Opti	ons Units List
Select two	o units (24 credit points) from ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and

### **Semesters**

• Year 1, Semester 1

**Enterprise Skills** 

- Year 1, Semester 2
- Year 2, Semester 1
  Year 2, Semester 2
  Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2 Core Options Units List

Code	TILLE
Year 1, Semester 1	
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 1, Semester 2	

real 1, Semester 2	
BSB108	Business Environment
BSB107	Financial Performance and Responsibility



V0 0		
	emester 1	
AMB264	Media Relations and Publicity	
AMB263	Introduction to Public Relations	
Year 2, S	emester 2	
AMB201	Marketing and Audience Analytics	
AMB372	Public Relations Planning	
Year 3, S	emester 1	
BSB250	Business Citizenship	
AMB374	Global Public Relations Cases	
Year 3, S	emester 2	
AMB375	Internal Communication and Change	
Select a u	unit from the Core Options Unit	
Year 4, S	emester 1	
BSB399	Real World Ready - Business Capstone	
AMB373	Issues, Stakeholders and Reputation	
Year 4, S	emester 2	
AMB379	Public Relations Campaigns	
Select a unit from the Core Options Unit		
Core Opt	ions Units List	
Select two units (24 credit points) from the following:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and	

Enterprise Skills





Year	2021
QUT code	SE05
CRICOS	0102144
Duration (full-time)	5 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Paul Donehue (Urban Development majors); Dr Graham Johnson (Science majors)
Discipline Coordinator	Mellini Sloan (Urban and Regional Planning); Dr Andrew Baker (Environmental Science) +61 7 3138 2000 askqut@qut.edu.au

## **Domestic Entry requirements QUT year 12 early offer scheme**

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12
Early Offer Scheme

## Domestic Assumed knowledge

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

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

# International Subject prerequisites

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

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

# Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

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

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



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

• Year 1, Semester	2
<ul> <li>Year 2, Semester</li> </ul>	1
<ul> <li>Year 2, Semester</li> </ul>	2
<ul> <li>Year 3, Semester</li> </ul>	1
<ul> <li>Year 3, Semester</li> </ul>	2
<ul> <li>Year 4, Semester</li> </ul>	1

Year 4, Semester 2Year 5, Semester 1Year 5, Semester 2

Code	Title
Semester	1 (February) commencement
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

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
Voor 3 Samostar 2	

rear 3, Serriester 2	
BVB204	Ecology
EVB302	Environmental Pollution
UXB230	Site Planning
UXB234	Transport Planning
Vear / Semester 1	

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, S	emester 1		
EVB312	Soils and the Environment		
OR (if EV	B312 completed previously)		
BVB311	Conservation Biology		
BSB113	Economics		
UXH400 -1	Project - Part A		
UXH431	Urban Planning Practice		
Year 5, S	emester 2		
UXH331	Environmental Planning		
UXH432	Community Planning		
UXH433	Regional Planning		
UXH400 -2	Project - Part B		





Year	2021
QUT code	SE40
CRICOS	084922G
Duration (full-time)	5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$6,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,700 per year full-time (96 credit points)
Total credit points	480
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Professor Tim Moroney (Mathematics)
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 Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics) +61 7 3138 2000 askqut@qut.edu.au

# Domestic Assumed knowledge

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

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

## International Subject prerequisites

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

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

## Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

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

## 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 2Year 4 Semester 1
- Year 4 Semester 2

Code	Title		
Applied and Computational Mathematics Major unit set:			
Year 1 Se	emester 1		
MXB102	Abstract Mathematical Reasoning		
MXB106	Linear Algebra		
Year 1 Se	emester 2		
MXB105	Calculus and Differential Equations		
MXB161	Computational Explorations		
Year 2 Semester 1			
MXB101	Probability and Stochastic Modelling 1		
Maths Core Options Unit			
Year 2 Semester 2			
MYR103	Introductory Computational		



Mathematics

MXB103

MXB107	Introduction to Statistical Modelling		
Year 3 Se	emester 1		
MXB201	Advanced Linear Algebra		
MXB225	Modelling with Differential Equations 1		
Year 3 Semester 2			
MXB202	Advanced Calculus		
MXB226	Computational Methods 1		
Year 4 Se	Year 4 Semester 1		
MXB322	Partial Differential Equations		
MXB326	Computational Methods 2		
Year 4 Semester 2			
MXB325	Modelling with Differential Equations 2		
MXB328	Work Integrated Learning in Applied and Computational Mathematics		

#### **Semesters**

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

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

MXB105 Equations Maths Core Options Unit

Please note: SE40 students will do MXB161 as part of their Engineering Maths units.

### Year 2 Semester 1

Probability and Stochastic MXB101 Modellina 1

Maths Core Options Unit

#### Year 2 Semester 2

Introductory Computational MXB103 Mathematics Introduction to Statistical **MXB107** 

Modelling

Year 3 Semester 1

MXB201 Advanced Linear Algebra Introduction to Operations MXB232 Research

Year 3 Semester 2

MXB202 Advanced Calculus 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		
MVD220	Work Integrated Learning in		

#### **Semesters**

**MXB338** 

• Statistical Science Major unit set:

Operations Research

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

Code	Title
Statistical	Science Major unit set:

Year 1 Semester 1

**Abstract Mathematical** MXB102 Reasoning

MXB106 Linear Algebra

#### Year 1 Semester 2

Calculus and Differential MXB105 Equations

Maths Core Options Unit

Please note: SE40 students will do MXB161 as part of their Engineering Maths units.

### Year 2 Semester 1

Probability and Stochastic Modelling 1

Maths Core Options Unit

### Year 2 Semester 2

**Introductory Computational** MXB103 Mathematics Introduction to Statistical MXB107 Modelling

### Year 3 Semester 1

MXB201 Advanced Linear Algebra MXB242 Regression and Design

### Year 3 Semester 2

MXB202 Advanced Calculus

Probability and Stochastic MXB241 Modelling 2

### Year 4 Semester 1

MXB341 Statistical Inference

MXB344 Generalised Linear Models

### Year 4 Semester 2

MXB343 Modelling Dependent Data Work Integrated Learning in MXB348 **Statistics** 

### **Semesters**

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

• Year 4 - Semester 2			
<ul> <li>Year 5 - Semester 1</li> <li>Year 5 - Semester 2</li> </ul>			
Code			
	Title		
Year 1 - 8	Semester 1		
EGB113	Energy in Engineering Systems		
MXB161	Computational Explorations		
Year 1 - S	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - S	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 8	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	Foundation Unit Option		
Year 3 - 8	Year 3 - Semester 1		
EGB261	Unit Operations		
EGB323	Fluid Mechanics		
Year 3 - 5	Semester 2		
CVB101	General Chemistry		
EGB322	Thermodynamics		
Year 4 - S	Semester 1		
EGB262	Process Principles		
EGB361	Minerals and Minerals Processing		
Year 4 - Semester 2			
EGB364	Process Modelling		
EGH411	Industrial Chemistry		
Year 5 - S	Semester 1		
EGB362	Operations Management and Process Economics		

Research Project 1

EGH463 Plant and Process Design

Research Project 2

EGH422 | Advanced Thermodynamics

Practice

EGH423 Fluids Dynamics

EGH462 Process Control

Year 5 - Semester 2

Research in Engineering

EGH400

EGH404

EGH400

-1

-2



#### **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

•	<u>Year</u>	<u>5 -</u>	Sen	<u>าester</u>	2

Code	Title		
Year 1 - S	Semester 1		
EGB113	Energy in Engineering Systems		
MXB161	Computational Explorations		
Year 1 - S	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 8	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - S	Semester 2		
EGB123	Civil Engineering Systems		
Foundation	on Unit Option		
Year 3 - 9	Semester 1		
EGB270	Civil Engineering Materials		
EGB272	Traffic and Transport Engineering		
Year 3 - 5	Semester 2		
EGB273	Principles of Construction		
EGB373	Geotechnical Engineering		
Year 4, S	emester 1		
EGB275	Structural Mechanics		
EGB371	Engineering Hydraulics		
Year 4 - 9	Semester 2		
EGB376	Steel Design		
EGH471	Advanced Water Engineering		
Year 5 - 9	Semester 1		
EGB375	Design of Concrete Structures		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH473	Advanced Geotechnical Engineering		
Year 5 - S	Semester 2		
EGH400 -2	Research Project 2		
EGH472	Advanced Highway and Pavement Engineering		
EGH475	Advanced Concrete Structures		

#### **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

• Yea	• Year 5 - Semester 2	
Code	Title	
Year 1 - 3	Semester 1	
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - 3	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 3	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
	Semester 1	
CAB201	Programming Principles	
EGB242	Signal Analysis	
Year 3 - 3	Semester 2	
CAB202	Microprocessors and Digital Systems	
Intermed	iate Electrical Option Unit	
Year 4 - 9	Semester 1	
EGB240	Electronic Design	
CAB301	Algorithms and Complexity	
	Semester 2	
CAB403	Systems Programming	
EGH404	Research in Engineering Practice	
	Semester 1	
EGH400 -1	Research Project 1	
CAB302	'	
EGH456	Embedded Systems	
Systems	d Computer and Software Option Unit	
	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 1Year 5 Semester 2

Teal 5 - Semester 2		
Code	Title	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB120	Foundations of Electrical Engineering	
Year 3 - 8	Semester 1	
EGB240	Electronic Design	
EGB241	Electromagnetics and Machines	
Year 3 - S	Semester 2	
EGB242	Signal Analysis	
Intermedi	ate Electrical Option Unit (1)	
requisite	can be selected from the list. A waiver for this unit will be you are enrolled in EGB242 at time.	
Year 4 - S	Semester 1	
	Design and Practice	
	on Unit Option	
Year 4 - Semester 2		
Intermediate Electrical Option Unit (2)		
Intermedi	ate Electrical Option Unit (3)	
Year 5 - S	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
Advanced	d Electrical Option Unit (1)	
Advanced	Advanced Electrical Option Unit (2)	
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	

Advanced Electrical Option Unit (3)

Advanced Electrical Option Unit (4)

Advances in Civil Engineering

**EGH479** 

Practice

#### 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 2Year 5 Semester 1
- Year 5 Semester 2

• <u>Yea</u>	r 5 - Semester Z
Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 5	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - 9	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit
Year 4 - S	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - 9	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
	d Electrical Option Unit
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
	,
EGH445	Modern Control

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 1Year 5 Semester 2

• <u>real</u>	15 - Semester 2
Code	Title
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB214	Materials and Manufacturing
EGB314	Strength of Materials
Year 3 - 8	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - 8	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - 8	Semester 2

### **Semesters**

**EGH400** 

Year 1 - Semester 1Year 1 - Semester 2

EGH423 Fluids Dynamics

Research Project 2 EGH420 | Mechanical Systems Design EGH422 | Advanced Thermodynamics

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

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

- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 • Year 3 - Semester 1



- Year 3 Semester 2
- Year 4 Semester 1

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

• <u>16a</u>	1 3 - Semester 2	
Code	Title	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - 3	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 8	Semester 1	
EGB314	Strength of Materials	
LQB187	Human Anatomy	
	replaces LSB131 from 2021	
onwards		
	Semester 2	
EGB211	Dynamics	
LSB231	Physiology	
	Semester 1	
EGB214	Materials and Manufacturing	
EGB323	Fluid Mechanics	
Year 4 - S	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGH404	Research in Engineering Practice	
Year 5 - Semester 1		
EGB319	BioDesign	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH418	Biomechanics	
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	
EGH438	Biomaterials	





## Bachelor of Engineering (Honours)/Bachelor of Information Technology

Year	2021
QUT code	SE60
CRICOS	084923F
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,100 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr 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) +61 7 3138 2000 askqut@qut.edu.au

### **Domestic Assumed** knowledge

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

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

### International Subject prerequisites

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

### **Minimum English** requirements

Students must meet the English proficiency requirements.

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

#### **Domestic Course structure**

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

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

Honours units to consist of:

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

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

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

### International Course structure

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

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

Honours units to consist of:

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

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

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

### Sample Structure PLEASE NOTE:

For students taking the IT: Computer Science major with Engineering: Computer & Software Systems major, please refer to the "IT Units: Computer Science/Eng Computer Software Sys Majors ONLY (SE60MJR-CSSES)" structure instead.

### **Semesters**

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2 Year 5, Semester 1
- Computer Science Major Unit **Options**

Title Semester 1 (February) commencements



### )/Bachelor of Information Technology

Bachelor of Engineering (Honours)			
Year 1, S	Year 1, Semester 1		
IFB102	Introduction to Computer Systems		
IFB103	IT Systems Design		
Year 1, S	Semester 2		
IFB104	Building IT Systems		
IFB105	Database Management		
	Semester 1		
Civil, Med	neering students majoring in: chanical, Medical or Chemical Process major -		
	Jnit Option		
	Jnit Option		
Electrical Mechatro	neering students majoring in: , Electrical & Aerospace or onics major -		
	Jnit Option		
CAB201	3 3 1		
	Semester 2		
Civil, Med	neering students majoring in: chanical, Medical or Chemical Process major -		
CAB201	Programming Principles		
CAB202	Microprocessors and Digital Systems		
Compute this is co	elect CAB202 from the r Science Major Option list - mpulsory in the IT component if in these engineering majors.)		
Electrical	neering students majoring in: , Electrical & Aerospace or onics major -		
IT Core U	Jnit Option		
Compute	r Science Major Unit Option 1		
in the end	AB202 will be available as core gineering component if majoring engineering majors.)		
Year 3, S	Semester 1		
CAB203	Discrete Structures		
CAB302	Software Development		
Year 3, S	Semester 2		
CAB303	Networks		
IFB295	IT Project Management		
Year 4, S	Semester 1		
CAB301	Algorithms and Complexity		
IFB398	Capstone Project (Phase 1)		
Year 4, S	cemester 2 Capstone Project (Phase 2)		
	r Science Major Unit Option 2		
-	Semester 2 (July) commencements		
	Semester 2		
IFB102	Introduction to Computer Systems		
IFB103	IT Systems Design		
Year 2, S	Semester 1		
IFB104	Building IT Systems		

IFB105	Database Management	
Year 2, 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 -Microprocessors and Digital CAB202 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

Computer Science Major Unit Option 2

#### Year 5, Semester 1

IFB399 Capstone Project (Phase 2) Computer Science Major Unit Option 2

IT Core Unit Option

(Select IT Core Unit Option here, if not selected previously.)

### Computer Science Major Unit Options

Microprocessors and Digital CAB202 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**

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Year 5, Semester 1
- Computer Science Major Unit **Options**

<u>Options</u>			
Code	Title		
Semeste	r 1 (February) commencements		
Year 1, S	semester 1		
IFB102	Introduction to Computer Systems		
IFB103	IT Systems Design		
Year 1, S	semester 2		
IFB104	Building IT Systems		
IFB105	Database Management		
Year 2, S	semester 1		
IT Core U	Jnit Option		
IT Core U	Jnit Option		
Year 2, S	semester 2		
Compute	r Science Major Unit Option 1		
Compute	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, S	Semester 2		
CAB303	Networks		
IFB295	IT Project Management		
Year 4, S	semester 1		
CAB301	Algorithms and Complexity		
IFB398	Capstone Project (Phase 1)		
Year 4, S	Semester 2		
IFB399	Capstone Project (Phase 2)		



Year 1, Semester 2

Computer Science Major Unit Option 3 Semester 2 (July) commencements

### Bachelor of Information Technology

Bachel	or of Engineering (Honours
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, S	emester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 2
Compute	r Science Major Unit Option 1
IT Core U	Jnit Option
Year 3, S	emester 1
CAB203	Discrete Structures
Compute	r Science Major Unit Option 2
Year 3, S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	emester 1
	Algorithms and Complexity
CAB302	Software Development
Year 4, S	emester 2
IFB398	Capstone Project (Phase 1)
IT Core U	Jnit Option
OR	
Compute	r Science Major Unit Option 3
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2)
Compute	r Science Major Unit Option 3
OR	
	Jnit Option
	Core Unit Option here, if not
	previously.)
	r Science Major Unit Options
	01 and CAB202 are core to mputer Software Systems
	E60MJR-CSSECS students will
undertak	e two extra Computer Science
	tion units in place of CAB201
and CAB	
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

CAB432 Cloud Computing

CAB441 Network Security

Integration

**CAB430** 

**CAB440** 

Data and Information

Network and Systems

CAB431 | Search Engine Technology

Administration

### **Semesters**

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

	Tour	o, comoto	<del></del>
Code	;	Title	

Semester 1 (February) commencement	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems

IT Systems Design

### Year 1, Semester 2

IFB103

IFB104	Building IT Systems
IFB105	Database Management

### Year 2, Semester 1

**IT Core Unit Option** 

IT Core Unit Option

### Year 2, Semester 2

	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:	
	High Performance and

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, S	emester 1	
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, Semester 2		
CAB201	Programming Principles	
IT Core Unit Option		
Year 3, Semester 1		
CAB202	Microprocessors and Digital Systems	
CAB301	Algorithms and Complexity	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, 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, S	emester 1	
IFB399	Capstone Project (Phase 2)	
Select ONE of:		
CAB402	Programming Paradigms	
CAB420	Machine Learning	
OR IT Core Unit Option		
(Select IT	Core Unit Option here, if not	

### **Semesters**

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

oodo	1100
Semester 1 (February) commencements	
Year 1, Semester 1	
IFB102	Introduction to Computer Systems

IT Systems Design

Year 1, Semester 2

IFB103



## /Bachelor of Information Technology

Bache	lor of Engineering (Honours
IFB104	Building IT Systems
IFB105	Database Management
Year 2. S	Semester 1
	Jnit Option
	Unit Option
real 2, 3	Semester 2
IAB201	Modelling Techniques for Information Systems
IAB207	Rapid Web Application Development
Year 3, 8	Semester 1
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, S	Semester 2
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4. S	Semester 1
IFB398	Capstone Project (Phase 1)
Select or	
IAB206	Modern Data Management
	_
IAB260 IAB303	Social Technologies  Data Analytics for Business
	Insight Business Process
IAB320	Improvement Information Systems
IAB402	Consulting
	Semester 2
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
	er 2 (July) commencements
Year 1, S	Semester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, 5	Semester 1
IFB104	Building IT Systems
IFB105	Database Management
	Semester 2
IAB201	Modelling Techniques for Information Systems
IT Core !	Unit Option
	Semester 1
Teal 5, 3	Business Requirements
IAB204	Analysis
IAB207	Rapid Web Application Development
Year 3, S	Semester 2
IAB305	Information Systems Lifecycle Management
IT Core I	Jnit Option
	Semester 1
IAB203	Business Process Modelling
17 10200	Basilioss i 1000ss Modelling

IFB295	IT Project Management	
Year 4, S	emester 2	
IAB401	Enterprise Architecture	
IFB398	Capstone Project (Phase 1)	
Year 5, Semester 1		
IFB399	Capstone Project (Phase 2)	
Select Of	NE of:	
IAB206	Modern Data Management	
IAB260	Social Technologies	
IAB303	Data Analytics for Business Insight	
IAB320	Business Process Improvement	
IAB402	Information Systems Consulting	

### **Semesters**

Code

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

Title

7			
Semester	1 (February) commencements		
Year 1 - Semester 1			
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - Semester 1			
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - S	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	Foundation Unit Option		
Year 3 - 8	Semester 1		
EGB261	Unit Operations		
EGB323	Fluid Mechanics		
Year 3 - S	Semester 2		
CVB101	General Chemistry		
EGB322	Thermodynamics		
Year 4 - 8	Semester 1		

EGB262 Process Principles

EGB362	Operations Management and Process Economics
Year 4 - S	Semester 2
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - 8	Semester 1
EGB361	Minerals and Minerals Processing
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - 8	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 2Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4, Semester 1
- Year 4 Semester 2 • Year 5 - Semester 1
- Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB123	Civil Engineering Systems
Foundation	on Unit Option
Year 3 - 9	Semester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering



Year 3 - Semester 2

## Bachelor of Engineering (Honours)/Bachelor of Information Technology

EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, S	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - 9	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - 8	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - 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 - 8	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Professional Practice
MZB126	Professional Practice Engineering Computation
MZB126 Year 2 - S	Professional Practice Engineering Computation Gemester 1 Foundation of Engineering
MZB126 Year 2 - S EGB111 EGB121	Professional Practice Engineering Computation Semester 1 Foundation of Engineering Design

Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 3 - 9	Semester 2
CAB201	Programming Principles
Intermedi	ate Electrical Option Unit
Year 4 - 9	Semester 1
EGB240	Electronic Design
Intermedi	ate Software Option Unit
For students with Computer Science Major: CAB301 and CAB302 are core to the Computer Science Major. Please contact Science and Engineering Faculty to be provided a list of additional units you can select from.	
Year 4 - 9	Semester 2
CAB403	Systems Programming
Intermedi Option Ur	ate Electrical or Software nit
Year 5 - S	Semester 1

	Year 5 - 8	Semester 1
	EGH404	Research in Engineering Practice
	EGH400 -1	Research Project 1
	Advanced Electrical or Software Option Unit	

EGH456 Embedded Systems
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	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

Year 1 - 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

EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation

Year 2 - Semester 1

Foundation of Engineering EGB111 Design

EGB121 Engineering Mechanics

## Year 2 - Semester 2

Microprocessors and Digital **CAB202** Systems

Foundations of Electrical EGB120 Engineering

#### Year 3 - Semester 1

EGB240 Electronic Design Electromagnetics and **EGB241** Machines

### Year 3 - Semester 2

EGB242 | Signal Analysis

Intermediate Electrical Option Unit (1)

EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time.

### Year 4 - Semester 1

EGB340 Design and Practice

Foundation Unit Option

### Year 4 - Semester 2

Intermediate Electrical Option Unit (2)

Intermediate Electrical Option Unit (3)

## Year 5 - Semester 1

EGH400 Research Project 1 -1

Research in Engineering EGH404 Practice

Advanced Electrical Option Unit (1) Advanced Electrical Option Unit (2)

### Year 5 - Semester 2

EGH400 Research Project 2 -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





## Bachelor of Engineering (Honours)/Bachelor of Information Technology

Bacnel	or of Engineering (Honour
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - 9	Semester 2
EGB242	Signal Analysis
	ate Electrical Option Unit
Year 4 - 9	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - 9	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced	d Electrical Option Unit
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced	d Electrical Option Unit
Somosto	are.

## **Semesters**

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

• <u>Yea</u>	r 5 - Semester 2	
Code	Title	
Semeste	r 1 (February) commencements	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 3	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 3	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 3	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 3	Semester 1	
EGB214	Materials and Manufacturing	
EGB314	Strength of Materials	
Year 3 - Semester 2		
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - 9	Semester 1	
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
Year 4 - S	Semester 2	
EGB322	Thermodynamics	
EGH404	Research in Engineering Practice	
Year 5 - 3	Semester 1	
EGB316	Design of Machine Elements	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH421	Vibration and Control	
Year 5 - 9	Semester 2	
EGH400 -2	Research Project 2	
EGH420	Mechanical Systems Design	
EGH422		
= 011100		

### **Semesters**

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

EGH423 Fluids Dynamics

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

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

Code	Title		
Semester 1 (February) commencement			
Year 1 -	Semester 1		

ents

**Energy in Engineering EGB113** Systems Introductory Engineering MZB125 Mathematics

OR

MXB161 | Computational Explorations

Year 1 - Semester 2 Engineering Sustainability and **EGB100** Professional Practice

MZB126 Engineering Computation

Year 2 - Semester 1 Foundation of Engineering **EGB111** 

**EGB121** Engineering Mechanics

Design

Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

**Foundation Unit Option** 

Year 3 - Semester 1 EGB211 Dynamics

EGB242 Signal Analysis

Year 3 - Semester 2

Microprocessors and Digital CAB202 Systems

EGB345 | Control and Dynamic Systems

Year 4 - Semester 1

EGB220 Mechatronics Design 1

Intermediate Mechanical Option Unit

Year 4 - Semester 2

EGB320 Mechatronics Design 2 Intermediate Electrical Option Unit

Year 5 - Semester 1 EGH400 Research Project 1 -1 Research in Engineering EGH404 Practice EGH419 Mechatronics Design 3

Year 5 - Semester 2

EGH445 Modern Control

EGH400 Research Project 2 -2

Advanced Mechanical Option Unit

EGH446 Autonomous Systems

Advanced Electrical Option Unit

#### **Semesters**

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



## Bachelor of Engineering (Honours)/Bachelor of Information Technology

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

· <u>ICa</u>	1 5 - Semester Z
Code	Title
Semester	r 1 (February) commencements
	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB314	Strength of Materials
LQB187	Human Anatomy
LQB187 i	replaces LSB131 from 2021
Year 3 - 8	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - S	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB319	BioDesign
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - 5	Semester 2
EGH400 -2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for

	Medical Engineers	
EGH438	Biomaterials	





Year	2021
QUT code	SE80
CRICOS	084924E
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$38,700 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Graham Johnson (Science)
Discipline Coordinator	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); Aspro Luis Alvarez (Mechatronics); Aspro 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) +61 7 3138 2000 askqut@qut.edu.au

## **Domestic Assumed** knowledge

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

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

## International 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.

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

## **Domestic Course structure**

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

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

Honours units to consist of:

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

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units\* selected from an approved list.
- 10 units (120 credit points) of Major core units.

## International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

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

Honours units to consist of:

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

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units\* selected from an approved list.
- 10 units (120 credit points) of Major core units.

## Sample Structure Semesters

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

Code	Title	
Semester 1 (February) commencements		
Year 1 Se	emester 1	
SEB104	Grand Challenges in Science	
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



## s)/Bachelor of Science

Bachel	or of Engineering (Honour
SEB116	Experimental Science 2
Year 2 Se	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 Se	emester 1
BVB202	Experimental Design and
	Quantitative Methods
BVB301	Animal Biology
	emester 2
BVB201	Biological Processes
BVB204	Ecology
	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
	r 2 (July) commencements
Year 1, S	Semester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	Semester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	Semester 2
BVB101	E 1.0 (D) 1
DVDIOI	Foundations of Biology
BVB101	Evolution
BVB102	
BVB102	Evolution
BVB102 Year 3, S	Evolution  Gemester 1  Experimental Design and
BVB102 Year 3, S BVB202 BVB301	Evolution  Semester 1  Experimental Design and Quantitative Methods
BVB102 Year 3, S BVB202 BVB301	Evolution  cemester 1  Experimental Design and Quantitative Methods  Animal Biology
BVB102 Year 3, S BVB202 BVB301 Year 3, S	Evolution  demester 1  Experimental Design and Quantitative Methods  Animal Biology  demester 2
BVB102 Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204	Evolution  Emester 1  Experimental Design and Quantitative Methods  Animal Biology  Emester 2  Biological Processes
BVB102 Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204	Evolution  cemester 1  Experimental Design and Quantitative Methods  Animal Biology  cemester 2  Biological Processes  Ecology
BVB102 Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S	Evolution  demester 1  Experimental Design and Quantitative Methods  Animal Biology  demester 2  Biological Processes  Ecology  demester 1
BVB102 Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305	Evolution  cemester 1  Experimental Design and Quantitative Methods  Animal Biology  cemester 2  Biological Processes  Ecology  cemester 1  Plant Biology  Microbiology and the
BVB102 Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305	Evolution  cemester 1  Experimental Design and Quantitative Methods  Animal Biology  cemester 2  Biological Processes  Ecology  cemester 1  Plant Biology  Microbiology and the Environment
BVB102 Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305 Year 4, S	Evolution  emester 1  Experimental Design and Quantitative Methods  Animal Biology  emester 2  Biological Processes  Ecology  emester 1  Plant Biology  Microbiology and the Environment  emester 2  Integrative Biology  Population Genetics and
BVB102 Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305 Year 4, S BVB304 BVB313	Evolution  cemester 1  Experimental Design and Quantitative Methods  Animal Biology  cemester 2  Biological Processes  Ecology  cemester 1  Plant Biology  Microbiology and the Environment  cemester 2  Integrative Biology  Population Genetics and Molecular Ecology
BVB102 Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305 Year 4, S BVB304 BVB313	Evolution  cemester 1  Experimental Design and Quantitative Methods  Animal Biology  cemester 2  Biological Processes  Ecology  cemester 1  Plant Biology  Microbiology and the Environment  cemester 2  Integrative Biology  Population Genetics and Molecular Ecology  cemester 1
BVB102 Year 3, S BVB202 BVB301 Year 3, S BVB201 BVB204 Year 4, S BVB203 BVB305 Year 4, S BVB304 BVB313 Year 5, S Science 0	Evolution  cemester 1  Experimental Design and Quantitative Methods  Animal Biology  cemester 2  Biological Processes  Ecology  cemester 1  Plant Biology  Microbiology and the Environment  cemester 2  Integrative Biology  Population Genetics and Molecular Ecology

S	e	m	e	st	e	rs
$\mathbf{-}$	•		•	96	•	

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

			_
• )	/_ar 1	l Semester	7

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

Code	Title
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB115	Experimental Science 1
SEB116	Experimental Science 2

## Year 1 Semester 2 CVB101 | General Chemistry

Chemical Structure and CVB102 Reactivity

## Year 2 Semester 1

SEB104 Grand Challenges in Science Quantitative Methods in SEB113 Science

### Year 2 Semester 2

**Chemical Measurement** CVB210 Science

Science Core Unit Option

## Year 3 Semester 1

CVB201 Inorganic Chemistry CVB202 Analytical Chemistry

### Year 3 Semester 2

CVB203 | Physical Chemistry Organic Structure and CVB204 Mechanisms

## Year 4 Semester 1

Organic Chemistry: Strategies CVB301 for Synthesis

CVB302 | Applied Physical Chemistry

### Year 4 Semester 2

CVB303 Coordination Chemistry CVB304 | Chemistry Research Project

Semester 2 (July) commencements

### Year 1, Semester 2

SEB104 Grand Challenges in Science Quantitative Methods in

**SEB113** 

### Year 2, Semester 1

SEB115 | Experimental Science 1 SEB116 Experimental Science 2

## Year 2, Semester 2

CVB101 General Chemistry CVB102 Chemical Structure and

## Year 3, Semester 1

CVB201 Inorganic Chemistry CVB202 Analytical Chemistry

#### Year 3, Semester 2

CVB203 Physical Chemistry

Organic Structure and CVB204 Mechanisms

#### Year 4, Semester 1

Organic Chemistry: Strategies **CVB301** for Synthesis

CVB302 Applied Physical Chemistry

#### Year 4, Semester 2

Chemical Measurement CVB210 Science

CVB303 Coordination Chemistry

### Year 5, Semester 1

CVB304 Chemistry Research Project

Science Core Unit Option

### **Semesters**

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

Code	Title

Semester 1 (February) commencements

## Year 1 Semester 1

SEB104 Grand Challenges in Science

Quantitative Methods in SEB113 Science

### Year 1 Semester 2

Science Core Unit Option

Science Major Unit Option

## Year 2 Semester 1

SEB115 | Experimental Science 1 SEB116 Experimental Science 2

## Year 2 Semester 2

ERB101 | Earth Systems

ERB102 Evolving Earth

## Year 3 Semester 1

Destructive Earth: Natural **ERB201** Hazards

**ERB202** Marine Geoscience



## rs)/Bachelor of Science

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

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

Grand Challenges in Science

Quantitative Methods in **SEB113** Science

#### Year 1 Semester 2

Science Core Unit Option Science Major Unit Option

## Year 2 Semester 1

SEB115 Experimental Science 1 SEB116 | Experimental Science 2

### Year 2 Semester 2

ERB101	Earth Systems
EVB102	Ecosystems and the Environment
	Environment

### Year 3 Semester 1

BVB202	Experimental Design and Quantitative Methods
EVB203	Geospatial Information Science

### Year 3 Semester 2

BVB204	Ecology
F\/B302	Environmental Pollution

## Year 4 Semester 1

BVB311	Conservation Biology
EVB312	Soils and the Environment

## Year 4 Semester 2

EKD310	Groundwater Systems
EVB304	Case Studies in Environmental Science

EDR310 Groundwater Systems

## Semester 2 (July) commencements

## Year 1, Semester 2

	Grand Challenges in Science
SEB113	Quantitative Methods in Science

### ear 2, Semester

SEB115	Experimental Science 1
SFB116	Experimental Science 2

## Year 2, Semester 2

	Earth Systems
EVB102	Ecosystems and the Environment

## Year 3, Semester 1

BVB202	Experimental Design and Quantitative Methods
EV/D000	Geospatial Information

## EVB203 | Science

Year 3, S	emester 2
BVB204	Ecology
EVB302	Environmental Pollution
Year 4, S	emester 1
BVB311	Conservation Biology
EVB312	Soils and the Environment
Year 4, Semester 2	
ERB310	Groundwater Systems
EVB304	Case Studies in Environmental Science
Year 5, Semester 1	
Science (	Core Unit Option

### **Semesters**

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

Science Major Unit Option

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

Code	Title	
Semester 1 (February) commencement		
Year 1 Semester 1		
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
V 4 C-		

### Year 1 Semester 2

SEB104 Grand Challenges in Science

PVB102 Physics of the Very Small

## Year 2 Semester 1

PVB203 | Experimental Physics SEB116 Experimental Science 2

## Year 2 Semester 2

Computational and PVB200 Mathematical Physics

Science Core Unit Option

## Year 3 Semester 1

	Introduction to Climate Change	
DV/DO40	Ctaller Astrophysics	

PVB210 | Stellar Astrophysics

## Year 3 Semester 2

PVB204 Electromagnetism



Dacriei	or or Engineering (Honous	
PVB220	Cosmology	
Year 4 Se	emester 1	
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4 Se	emester 2	
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	
Semester	2 (July) commencements	
Year 1, S	emester 2	
PVB102	Physics of the Very Small	
SEB104	Grand Challenges in Science	
Year 2, S	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, S	emester 2	
PVB200	Computational and Mathematical Physics	
SEB113	Quantitative Methods in Science	
Year 3, S	emester 1	
PVB203	Experimental Physics	
PVB210	Stellar Astrophysics	
Year 3, S	emester 2	
PVB204	Electromagnetism	
PVB220	Cosmology	
Year 4, S	emester 1	
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4, S	emester 2	
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	
Year 5, S	emester 1	
PQB360	Introduction to Climate Change	
Science Core Unit Option		

Sem	est	tei	rs
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- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 Year 5 Semester 1
- Year 5 Semester 2

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

MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability an Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - S	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - S	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - S	Semester 1
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Year 4 - 9	Semester 2
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - 9	Semester 1
EGB362	Operations Management and Process Economics
EGB362 EGH400 -1	Operations Management and Process Economics Research Project 1
EGH400	Process Economics
EGH400 -1	Process Economics  Research Project 1  Research in Engineering
EGH400 -1 EGH404 EGH463	Process Economics  Research Project 1  Research in Engineering Practice
EGH400 -1 EGH404 EGH463	Process Economics  Research Project 1  Research in Engineering Practice  Plant and Process Design
EGH400 -1 EGH404 EGH463 Year 5 - S EGH400	Process Economics  Research Project 1  Research in Engineering Practice  Plant and Process Design  Semester 2
EGH400 -1 EGH404 EGH463 Year 5 - 5 EGH400 -2	Process Economics  Research Project 1  Research in Engineering Practice  Plant and Process Design  Semester 2  Research Project 2

### **Semesters**

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

Code	Title	
Semester	1 (February) commencements	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
	Semester 2	
EGB123	Civil Engineering Systems	
Foundation	on Unit Option	
	Semester 1	
EGB270		
EGB272	Traffic and Transport Engineering	
Year 3 - 9	Semester 2	
EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	
Year 4, S	emester 1	
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
Year 4 - 9	Semester 2	
EGB376	Steel Design	
EGH471	Advanced Water Engineering	
Year 5 - 8	Semester 1	
EGB375	Design of Concrete Structures	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH473	Advanced Geotechnical Engineering	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH472	Advanced Highway and Pavement Engineering	
EGH475	Advanced Concrete Structures	

## **Semesters**

EGH479

• Semester 1 (February) commencements

Practice

Advances in Civil Engineering

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



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

<ul> <li>Year 5 - Semester 2</li> </ul>		
Code	Title	
Semeste	r 1 (February) commencements	
	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 3	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 3	Semester 1	
CAB201	Programming Principles	
EGB242	Signal Analysis	
Year 3 - 9	Semester 2	
CAB202	Microprocessors and Digital Systems	
Intermed	iate Electrical Option Unit	
Year 4 - 9	Semester 1	
EGB240	Electronic Design	
CAB301	3 - 1 7	
Year 4 - 9	Semester 2	
CAB403	Systems Programming	
EGH404	Research in Engineering Practice	
	Semester 1	
EGH400 -1	Research Project 1	
CAB302	Software Development	
EGH456	Embedded Systems	
	d Computer & Software Option Unit	
Year 5 - 3	Semester 2	
EGH400 -2	Research Project 2	
EGH455	Advanced Systems Design	
	d Computer & Software	

Advanced Computer & Software

CAB432 Cloud Computing

Systems Option Unit

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

Tear 5 - Gernester 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

rear r - c	JOHNOSIGI Z
EGB100	Engineering Sustainability and Professional Practice

MZB126 Engineering Computation

## Year 2 - Semester 1 Foundation of Engineering

EGB111	Design
EGB121	<b>Engineering Mechanics</b>

## Year 2 - Semester 2

CAB202	Microprocessors and Digita Systems
EGB120	Foundations of Electrical

## 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)

real 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) <u>commencements</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1 Year 4 - Semester 2

	r 5 - Semester 2 r 5 - Semester 1		
<ul> <li>Year 5 - Semester 2</li> </ul>			
Code	Title		
Semeste	1 (February) commencements		
Year 1 - 8	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
MXB161	Computational Explorations		
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 9	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 9	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 9	Semester 1		
CAB202	Microprocessors and Digital Systems		
EGB240	Electronic Design		
V 0 (			

### Year 3 - Semester 2

EGB242 | Signal Analysis

Intermediate Electrical Option Unit

## Year 4 - Semester 1

	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 Research Project 1





EGH404	Research in Engineering Practice			
EGH446	Autonomous Systems			
Advanced	Advanced Electrical Option Unit			
Year 5 - 8	Semester 2			
EGH400 -2	Research Project 2			
EGH445	Modern Control			
EGH450	Advanced Unmanned Aircraft Systems			
Advanced Electrical Option Unit				

#### **Semesters**

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1Year 5 Semester 2

Code	)	Title		

Semester	1 (February) commencements	
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
M7D125	Introductory Engineering	

MZB125 Mathematics

OR

**MXB161** Computational Explorations

Year 1	- Semester 2	

ECR100	Engineering Sustainability and Professional Practice
EGD 100	Professional Practice

MZB126 Engineering Computation

### Year 2 - Semester 1

EGB111	Foundation of Engineering Design
ECD121	Engineering Mechanics

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 - 8	Semester 1	
EGB316	Design of Machine Elements	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH421	Vibration and Control	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH420	Mechanical Systems Design	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	

#### Semesters

- <u>Semester 1 (February)</u> commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1Year 5 Semester 2

Code	Title
Semester	1 (February) commencements

	Octificator 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

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

Intermediate Mechanical Option Unit		
Year 4 - Semester 2		
EGB320	Mechatronics Design 2	
Intermediate Electrical Option Unit		
Year 5 - Semester 1		
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH419	Mechatronics Design 3	
EGH445	Modern Control	
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
Advanced	Mechanical Option Unit	
EGH446	Autonomous Systems	
Advanced Electrical Option Unit		

#### **Semesters**

- <u>Semester 1 (February)</u> commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1Year 5 Semester 2

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

EGB113 Energy in Engineering
Systems

MZB125 Introductory Engineering
Mathematics

OR

MXB161 Computational Explorations

## Year 1 - Semester 2

EGB100 Engineering Sustainability and Professional Practice

MZB126 Engineering Computation

## Year 2 - Semester 1

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
LQB187 Human Anatomy

LQD 107 Truman Anatomy

LQB187 replaces LSB131 from 2021 onwards

Year 3 - Semester 2



	o. ogog (oo
EGB211	Dynamics
LSB231	Physiology
Year 4 - 9	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - 9	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB319	BioDesign
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
	Research Project 2 Biofluids
-2	-
-2 EGH424	Biofluids  Modelling and Simulation for Medical Engineers





## Bachelor of Design (Honours) (Architectural Studies) - Advanced Standing Entry

Year	2021
QUT code	DE42
CRICOS	079947G
Duration (full-time)	4 years
ATAR/Selection rank	93.00
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,600 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	February
Int. Start Months	February
Course Coordinator	Program Director, School of Design
Discipline Coordinator	Sarah Briant +61 7 3138 2000 askqut@qut.edu.au

## **Domestic Entry requirements**

Advanced Standing Entry

Applicants must have a minimum of 264 credit points from core and/or architecture major units in this course.

All other applicants will need to apply for the Bachelor of Design (Architecture).

Selection ranks

You will be considered solely on the basis of the selection ranks from all of your prior diploma and higher studies you may have undertaken. Your other qualifications and experiences may be allocated selection ranks for entry to other QUT courses, but will not be considered for this course.

Find out more about how to Apply with Higher Education Study

## International Entry requirements

Applicants must have a minimum of 264 credit points of advanced standing from core and/or Architecture major units in this course.

All other applicants will need to apply for the Bachelor of Design (Architecture).

## Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Additional Costs**

There are requirements that you will need to meet as a student in this course. Information is available from the <a href="Additional course requirements and costs">Additional course requirements and costs</a> website.

### Pathways to Further Study

On successful completion of this course, you will be eligible to apply for entry into the Master of Design (Urban Design) or the Master of Design (Research), provided you have met entry requirements.

## **Professional Recognition**

This course, along with the following Master of Architecture course, has received full accreditation from the Architects Accreditation Council of Australia, and full recognition from the Australian Institute of Architects.

## Domestic Course structure Customise your degree

Your architectural studies design course consists of 18 units in your primary major and four units that are common to all six design majors (architectural studies, fashion, industrial design, interactive and visual design, interior design or landscape architecture).

An additional eight units are taken outside your primary major. After studying for a year you can:

- choose a second major# (eight units from any approved QUT degree), or
- choose two minors (a minor is a specific set of four units drawn from courses throughout QUT), or
- choose one minor and four electives.

Minors and majors allow you to tailor your studies to suit your interests and career aspirations. Minors give you breadth of knowledge from two other areas and a second major provides depth in one area. This means eight units of your course (one quarter of your degree) are taken from outside your primary major. You'll work alongside students from other disciplines because that is how it will be when you graduate and work in the real world of design. The possibilities are almost endless.

Here are some examples that might inspire ideas:

- an architecture student could take a minor in interior design and a work integrated learning minor to gain professional industry experience
- a landscape architecture student could take a language minor such as Italian to help them work overseas
- an interior design student could take a second major in industrial design to aid their ambition to design and manufacture their own range of office furniture
- an industrial design student could take a second major in mechanical or electrical engineering to give them a deeper understanding of manufacturing and production
- a fashion student could take a minor in business and another in interior design to help meet their dream of



## Bachelor of Design (Honours) (Architectural Studies) - Advanced Standing Entry

launching their own concept fashion store

 an interactive and visual design student could take a second major in advertising or marketing and work as a designer for a leading digital agency.

And remember - your second major or minors could be in film, creative writing, music, visual arts, drama or other disciplines across QUT. #

#### Your course

#### Year 1

- three foundation units covering design, design history and sustainability
- two units in introductory core architecture design studios
- first unit dealing with place making

#### Year 2

- two design studio units covering the process of design, dwelling, tectonics and public spaces
- units in integrated technology (climate) and history/theory (culture and space)
- study history/theory (architecture in the twentieth century) and architectural technology (building construction)
- first two units of your second major or first minor

### Year 3

- units focusing on digital tools and sustainability
- develop knowledge of technology integration (structure)
- study history/theory (architecture and the city), and architectural technology (building services)
- three units in your second major or minors

### Year 4

- address the context of buildings in urban settings
- design project integrating your accumulated knowledge
- complete your second major or your second minor

## **Masters course**

This course is designed to be followed by QUT's one-year Master of Architecture. In addition, to work as a registered architect in Australia you will need to:

- have completed two years of practical work experience (one year of which may be during your studies)
- successfully complete the Architectural Practice Examination
- apply for registration to the Architects' Board in each state or territory in which you wish to practise.

## **Study overseas**

Study overseas while gaining 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. Saving your electives for exchange will allow you the most flexibility. For more information, visit QUT student exchange.

## International Course structure

## **Customise your degree**

Your Architectural studies design course consists of 18 units in your primary major and four units that are common to all six design majors (architectural studies, fashion, industrial design, interactive and visual design, interior design or landscape architecture).

An additional eight units are taken outside your primary major. After studying for a year you can:

- choose a second major# (eight units from any approved QUT degree), or
- choose two minors (a minor is a specific set of four units drawn from courses throughout QUT), or
- choose one minor and four electives.

Minors and majors allow you to tailor your studies to suit your interests and career

aspirations. Minors give you breadth of knowledge from two other areas and a second major provides depth in one area.

This means eight units of your course (one quarter of your degree) are taken from

outside your primary major. You'll work alongside students from other disciplines

because that is how it will be when you graduate and work in the real world of design. The possibilities are almost endless. Here are some examples that might inspire ideas:

- an architecture student could take a minor in interior design and a work integrated learning minor to gain professional industry experience
- a landscape architecture student could take a language minor such as Italian to help them work overseas
- an interior design student could take a second major in industrial design to aid their ambition to design and

- manufacture their own range of office furniture
- an industrial design student could take a second major in mechanical or electrical engineering to give them a deeper understanding of manufacturing and production
- a fashion student could take a minor in business and another in interior design to help meet their dream of launching their own concept fashion store
- an interactive and visual design student could take a second major in advertising or marketing and work as a designer for a leading digital agency.

And remember - your second major or minors could be in film, creative writing, music, visual arts, drama or other disciplines across QUT. #

### Your course

#### Year 1

- three foundation units covering design, design history and sustainability
- two units in introductory core architecture design studios
- · first unit dealing with place making

#### Year 2

- two design studio units covering the process of design, dwelling, tectonics and public spaces
- units in integrated technology (climate) and history/theory (culture and space)
- study history/theory (architecture in the twentieth century) and architectural technology (building construction)
- first two units of your second major or first minor

#### /par3

- units focusing on digital tools and sustainability
- develop knowledge of technology integration (structure)
- study history/theory (architecture and the city), and architectural technology (building services)
- three units in your second major or minors

#### Year 4

- address the context of buildings in urban settings
- design project integrating your accumulated knowledge
- complete your second major or your second minor

### Masters course

This course is designed to be followed by QUT's one-year Master of Architecture. In addition, to work as a registered architect in Australia you will need to:



## Bachelor of Design (Honours) (Architectural Studies) - Advanced Standing Entry

- have completed two years of practical work experience (one year of which may be during your studies)
- successfully complete the Architectural Practice Examination
- apply for registration to the Architects' Board in each state or territory in which you wish to practise.

Study Overseas	Study	Ove	rseas
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Study overseas while gaining 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. Saving your electives for exchange will allow you the most flexibility. For more information, visit QUT student exchange.

## Sample Structure

## **Semesters**

- Advanced standing (288 credit points)
- Year 4, Semester 1
- Year 4, Semester 2

Code	Title	
Advanced	d standing (288 credit points)	
DEB100	Design and Sustainability	
DEB101	Introducing Design	
DEB202	Introducing Design History	
DAB103	Architectural Visualisation 1	
DAB110	Architectural Design 1	
DAB203	Architectural Visualisation 2	
DAB210	Architectural Design 2	
DAB220	Architecture, Culture and Place	
DAB310	Architectural Design 3	
DAB325	Architecture in the 20th Century	
DAB330	Integrated Technologies 1	
DAB403	Architectural Visualisation 3	
DAB410	Architectural Design 4	
DAB435	Architectural Technology 1	
DAB511	Architectural Design 5	
DAB611	Architectural Design 6	
96 credit points of complementary studies		
Year 4, S	emester 1	
DAB311	Systems and Structures	
DAH525	Architecture and the City	
DAH710	Architectural Design 7	
DYN102	Research Strategies in Design	

Year 4, Semester 2	
DAB312	Building Services
DAH811	Architectural Design 8





## Bachelor of Design (Honours) (Landscape Architecture)

Year	2021
QUT code	DE42
CRICOS	079947G
Duration (full-time)	4 years
OP	13
ATAR/Selection rank	71.00
Offer Guarantee	Yes
Campus	Gardens Point
International fee (indicative)	2019: \$34,300 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	Program Director, School of Design
Discipline Coordinator	Dr Greg Mews +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)

## Minimum English requirements

Students must meet the English proficiency requirements.

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

## **Additional Costs**

There are requirements that you will need to meet as a student in this course. Information is available from the Additional course requirements and costs website.

## **Pathways to Further Study**

On successful completion of this course, you will be eligible to apply for entry into the Master of Design (Urban Design) or the Master of Design (Research), provided you have met entry requirements.

## **Professional Recognition**

This course has accreditation from the Australian Institute of Landscape Architects (AILA). Graduates can apply for membership of this professional organisation.

## Domestic Course structure Customise your degree

Your landscape architecture design course consists of 17 units in your primary major and four units that are common to all six design majors (architectural studies, fashion, industrial design, interactive and visual design, interior design or landscape architecture).

An additional eight units are taken outside your primary major. After studying for a year you can:

 choose a second major# (eight units from any approved QUT degree), or

- choose two minors (a minor is a specific set of four units drawn from
- courses throughout QUT), or
- choose one minor and four electives.

Minors and majors allow you to tailor your studies to suit your interests and career aspirations. Minors give you breadth of knowledge from two other areas and a second major provides depth in one area.

This means eight units of your course (one quarter of your degree) are taken from outside your primary major. You'll work alongside students from other disciplines because that is how it will be when you graduate and work in the real world of design. The possibilities are almost endless. Here are some examples that might inspire ideas:

- an architecture student could take a minor in interior design and a work integrated learning minor to gain professional industry experience
- a landscape architecture student could take a language minor such as Italian to help them work overseas
- an interior design student could take a second major in industrial design to aid their ambition to design and manufacture their own range of office furniture
- an industrial design student could take a second major in mechanical or electrical engineering to give them a deeper understanding of manufacturing and production
- a fashion student could take a minor in business and another in interior design to help meet their dream of launching their own concept fashion store
- an interactive and visual design student could take a second major in advertising or marketing and work as a designer for a leading digital agency.

And remember - your second major or minors could be in film, creative writing, music, visual arts, drama or other disciplines across QUT.#

### Your course

### Year 1

- set the groundwork for your landscape design studies
- three foundation units covering design, design history and sustainability
- two units of core landscape design studios



## Bachelor of Design (Honours) (Landscape Architecture)

 units in plant studies, landscape construction and visual communication

#### Year 2

- two key landscape design studios
- study place theory, environmental psychology and site planning
- explore landscape ecology and physical geography
- units in landscape construction and landscape horticulture
- two units from your second major or minor

### Year 3

- complete four units for your second major or minor
- two landscape design studios
- focus on planting design and detailed design resolution
- combine design with landscape construction
- critique the history of landscape design and contemporary landscape design trends

### Year 4

- further expand your design expertise
- study two units in advanced landscape design
- study a wide range of urban and regional sites and scenarios
- complete units in your chosen second major/minor
- study professional practice and law, and research methods

### Second degree

Undertaking a second major in one of the six design disciplines also gives you the option of obtaining a second degree\*.

After graduation, you can return to complete the remaining 12 units (or equivalent) from your second major to obtain a second qualification. This is usually undertaken part time over two years while working.

Note: This is not a double degree because it is not undertaken simultaneously with the first degree.

### **Example**

A student completes a Bachelor of Design (Honours) (Industrial Design) with a second major in interactive and visual design.

They can then return to complete units in interactive and visual design and graduate with a second design degree in interactive and visual design.

\* To pursue a second design degree, this second major must be an approved set of eight units from within a Bachelor of Design (Honours) primary major.

# The choice of second majors may be limited in some disciplines.

## **Study overseas**

Study overseas while gaining 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. Saving your electives for exchange will allow you the most flexibility. For more information, visit QUT student exchange.

## International Course structure

## **Customise your degree**

Your landscape architecture design course consists of 17 units in your primary major and four units that are common to all six design majors (architectural studies, fashion, industrial design, interactive and visual design, interior design or landscape architecture).

An additional eight units are taken outside your primary major. After studying for a year you can:

- choose a second major# (eight units from any approved QUT degree), or
- choose two minors (a minor is a specific set of four units drawn from
- courses throughout QUT), or
- choose one minor and four electives.

Minors and majors allow you to tailor your studies to suit your interests and career

aspirations. Minors give you breadth of knowledge from two other areas and a second major provides depth in one area.

This means eight units of your course (one quarter of your degree) are taken from

outside your primary major. You'll work alongside students from other disciplines

because that is how it will be when you graduate and work in the real world of design. The possibilities are almost endless. Here are some examples that might inspire ideas:

- an architecture student could take a minor in interior design and a work integrated learning minor to gain professional industry experience
- a landscape architecture student could take a language minor such

- as Italian to help them work
- an interior design student could take a second major in industrial design to aid their ambition to design and manufacture their own range of office furniture
- an industrial design student could take a second major in mechanical or electrical engineering to give them a deeper understanding of manufacturing and production
- a fashion student could take a minor in business and another in interior design to help meet their dream of launching their own concept fashion store
- an interactive and visual design student could take a second major in advertising or marketing and work as a designer for a leading digital agency.

And remember - your second major or minors could be in film, creative writing, music, visual arts, drama or other disciplines across QUT. #

## Your course

#### Year 1

- set the groundwork for your landscape design studies
- three foundation units covering design, design history and sustainability
- two units of core landscape design studios
- units in plant studies, landscape construction and visual communication

#### Year 2

- two key landscape design studios
- study place theory, environmental psychology and site planning
- explore landscape ecology and physical geography
- units in landscape construction and landscape horticulture
- two units from your second major or minor

## Year 3

- complete four units for your second major or minor
- two landscape design studios
- focus on planting design and detailed design resolution
- combine design with landscape construction
- critique the history of landscape design and contemporary landscape design trends

#### Year 4

- further expand your design expertise
- study two units in advanced landscape design
- study a wide range of urban and



## Bachelor of Design (Honours) (Landscape Architecture)

- regional sites and scenarios
- complete units in your chosen second major/minor
- study professional practice and law, and research methods

## Second degree

Undertaking a second major in one of the six design disciplines also gives you the

option of obtaining a second degree\*.

After graduation, you can return to complete the remaining 12 units (or equivalent) from your second major to obtain a second qualification. This is usually undertaken part time over two years while working.

Note: This is not a double degree because it is not undertaken simultaneously with the first degree.

## **Example**

A student completes a Bachelor of Design (Honours) (Industrial Design) with a second major in interactive and visual design.

They can then return to complete units in interactive and visual design and graduate with a second design degree in interactive and visual design.

\* To pursue a second design degree, this second major must be an approved set of eight units from within a Bachelor of Design (Honours) primary major.

# The choice of second majors may be limited in some disciplines.

### **Study Overseas**

Study overseas while gaining 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. Saving your electives for exchange will allow you the most flexibility. For more information, visit QUT student exchange.





## **Bachelor of Engineering (Honours)**

Year	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee

## Domestic Assumed knowledge

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

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

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

## **Professional Recognition**

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

## **Complementary Studies**

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

## Special Course Requirements

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

## **International Student Entry**

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

## Course Design

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

- (a) First Year: Four (4) core units 48cp + two (2) Discipline Foundation units 24cp + two (2) option units 24cp (96 credit points)
- (b) Major: One (1) block of eight (8) major units 96cp plus eight (8) Honours level units 96cp (192 credit points)

Honours units to consist of:

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

Available Majors are:

- 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 - S	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		



## **Bachelor of Engineering (Honours)**

## 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

<u> </u>		
Code	Title	
Year 1 - 9	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	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Dr Thomas Rainey +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements Helping you to get into your course

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

## **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

## Find out more about the QUT College Diploma in Engineering

## **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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

## International 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

## **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).



## Bachelor of Engineering (Honours) (Chemical Process)

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

Sample Strastars		
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 1Year 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, S	emester 1	
EGB361	Minerals and Minerals Processing	
EGB362	Operations Management and Process Economics	
2nd Majo	r/Minor Unit	
2nd Major	r/Minor Unit	
Year 3, S	emester 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	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Associate Professor Jonathan Bunker +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements Helping you to get into your course

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

## **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

Find out more about the QUT College Diploma in Engineering

## **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

- Advanced Diploma of Engineering
- Associate Degree in Civil Engeering

Upon completion of the TAFE-Qld courses you will be able to enrol at QUT. You will also automatically receive

- 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student if you complete the advanced diploma
- Up to 1.5 years (144credit points) credit transfer and be able to complete the degree in 2.5 to 3 years as a full-time student if you complete the associate degree

More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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

## International 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

## **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



## Bachelor of Engineering (Honours) (Civil)

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

	<u>oampic otractare</u>	
Code	Title	
Year 1 - 9	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		

Year 4, Semester 2

1001	7, Ochicster 2
Code	Title
Year 2, S	emester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 2, S	emester 2
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 3, S	emester 1
EGB375	Design of Concrete Structures
EGH473	Advanced Geotechnical Engineering
2nd Majo	r/Minor unit
2nd Majo	r/Minor unit
Year 3, S	emester 2
EGH404	Research in Engineering Practice
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
2nd Majo	r/Minor unit
Year 4, S	emester 1
EGH400 -1	Research Project 1
2nd Majo	r/Minor unit
2nd Major/Minor unit	
2nd Major/Minor unit	
Year 4, S	emester 2
EGH400 -2	Research Project 2
EGH479	Advances in Civil Engineering Practice
2nd Major/Minor unit	
2nd Majo	r/Minor unit

### **Semesters**

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



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

Year	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Dr Wayne Kelly +61 7 3138 2000 askqut@qut.edu.au

# Domestic Entry requirements Helping you to get into your course

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

## **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

## Find out more about the QUT College Diploma in Engineering

## **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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

## International 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

## **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).



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

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		

## 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: <a href="w.kelly@qut.edu.au">w.kelly@qut.edu.au</a> if you wish to discuss your study plan options.

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

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

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





## Bachelor of Engineering (Honours) (Electrical and Aerospace)

Year	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Dr Aaron Mcfadyen +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements Helping you to get into your course

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

## **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

## Find out more about the QUT College Diploma in Engineering

## **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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

## International 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

## **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).



## Bachelor of Engineering (Honours) (Electrical and Aerospace)

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 - 8	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	

FGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
	ate Electrical & Aerospace Unit	
Option	ate Electrical a Aerospace Critic	
2nd Major	r/Minor unit	
Year 3, S	emester 1	
EGB349	Systems Engineering and Design Project	
Advanced Option	d Electrical & Aerospace Unit	
2nd Majoi	r/Minor unit	
2nd Majoi	r/Minor unit	
Year 3, S	emester 2	
EGH404	Research in Engineering Practice	
EGH446	Autonomous Systems	
EGH450	Advanced Unmanned Aircraft Systems	
2nd Major/Minor unit		
Year 4, Semester 1		
EGH400 -1	Research Project 1	
EGH445	Modern Control	
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	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Dr Jacob Coetzee +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements Helping you to get into your course

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

## **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

## Find out more about the QUT College Diploma in Engineering

## Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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

## International 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	

## **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).



## Bachelor of Engineering (Honours) (Electrical)

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 - S	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
- Intermediate Electrical Unit Options List
- Advanced Electrical Unit Options List

	Code	Title	
	Year 2, Semester 1		
CAB202 Microprocessors and Digita			

	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]
Research in Engineering

## Year 4, Semester 1

Practice

	Research Project 1	
2nd Major/Minor unit[4]		r/Minor unit[4]
2nd Major/Minor unit[5]		r/Minor unit[5]
2nd Major/Minor unit[6]		r/Minor unit[6]

### Year 4, Semester 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	d Electrical Unit Options List	
EGH441	Power System Modelling	
EGH442	RF Techniques and Applications	
EGH443	Advanced Telecommunications	
EGH444	Digital Signals and Image Processing	
EGH445	Modern Control	
EGH446	Autonomous Systems	
EGH448	Power Electronics	
EGH449	Advanced Electronics	
EGH454	Power Systems Management with Renewable & Storage	

#### Resources

The following unit options have been discontinued, but will still count towards this minor:

EGH440 Power Systems Analysis (disc 31/12/2018)





## Bachelor of Engineering (Honours) (Mechanical)

Year	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Dr Wim Dekkers/Professor Ted Steinberg +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements Helping you to get into your course

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

## **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

## Find out more about the QUT College Diploma in Engineering

## **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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

## International 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	

## **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).



## Bachelor of Engineering (Honours) (Mechanical)

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

Dample Off detaile		
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 1Year 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, S	emester 1	
EGB316	Design of Machine Elements	
EGB321	Dynamics of Machines	
EGH414	Stress Analysis	
2nd Majo	r/Minor unit option	
Year 3, S	emester 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	
-1	Research Project 1  Vibration and Control	
-1 EGH421	•	
-1 EGH421 2nd Majo	Vibration and Control	
-1 EGH421 2nd Majo 2nd Majo	Vibration and Control r/Minor unit option	
-1 EGH421 2nd Majo 2nd Majo	Vibration and Control r/Minor unit option r/Minor unit option	
-1 EGH421 2nd Majo 2nd Majo Year 4, S EGH400	Vibration and Control r/Minor unit option r/Minor unit option emester 2	
-1 EGH421 2nd Majo 2nd Majo Year 4, S EGH400 -2 EGH420	Vibration and Control r/Minor unit option r/Minor unit option emester 2 Research Project 2	
-1 EGH421 2nd Majo 2nd Majo Year 4, S EGH400 -2 EGH420 2nd Majo	Vibration and Control r/Minor unit option r/Minor unit option emester 2 Research Project 2 Mechanical Systems Design	
-1 EGH421 2nd Majo 2nd Majo Year 4, S EGH400 -2 EGH420 2nd Majo	Vibration and Control r/Minor unit option r/Minor unit option emester 2 Research Project 2 Mechanical Systems Design r/Minor unit option	





## Bachelor of Engineering (Honours) (Mechatronics)

Year	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Associate Professor Luis Alvarez +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements Helping you to get into your course

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

## **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

## Find out more about the QUT College Diploma in Engineering

## **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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

## International 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	

## **Professional Recognition**

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

## **Complementary Studies**

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

## Special Course Requirements

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

## **International Strudent Entry**

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

### **Domestic Course structure**

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

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



## Bachelor of Engineering (Honours) (Mechatronics)

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		

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 Microprocessors and Digital CAB202 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

EGH419 Mechatronics Design 3

2nd Major/Minor unit

Advanced Electrical Unit Option or 2nd Major/Minor unit

Year 3, Semester 2

Research in Engineering EGH404 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 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	2021
QUT code	EN01
CRICOS	084921G
Duration (full-time)	4 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$39,300 per year full-time (96 credit points)
Total credit points	384
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee
Discipline Coordinator	Associate Professor Devakar Epari +61 7 3138 2000 askqut@qut.edu.au

## Domestic Entry requirements Helping you to get into your course

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

## **QUT College Diploma in Engineering**

QUT College Diploma in Engineering graduates will automatically receive an offer to start the Bachelor of Engineering (Honours) within three weeks after completion of the diploma. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student.

## Find out more about the QUT College Diploma in Engineering

## **Dual TAFE-Qld Brisbane/QUT** award

If you enrol in a QTAC offer in the following dual TAFE-Qld Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Brisbane is confirmed.

• Advanced Diploma of Engineering

Upon completion of the TAFE-Qld advanced diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student. More details will be provided in your QUT conditional offer letter.

## Domestic Assumed knowledge

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

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

## International 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	

## **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).



## Bachelor of Engineering (Honours) (Medical)

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** 

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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		

LQB187	Human Anatomy		
LQB187 ı	LQB187 replaces LSB131 from 2021		
onwards	•		
Year 2, Semester 2			
EGB210	Fundamentals of Mechanical Design		
LSB231	Physiology		
2nd Major/Minor unit			
2nd Majo	r/Minor unit		
Year 3, S	emester 1		
EGB319	BioDesign		
EGB323	Fluid Mechanics		
EGH414	14 Stress Analysis		
2nd Major/Minor unit			
Year 3, S	emester 2		
EGH404	Research in Engineering Practice		
EGH418	Biomechanics		
EGH424	Biofluids		
2nd Major/Minor unit			
Ziiu iviajo	r/Minor unit		
,	emester 1		
,			
Year 4, S EGH400	emester 1		
Year 4, S EGH400 -1 EGH438	emester 1  Research Project 1		
Year 4, S EGH400 -1 EGH438 2nd Majo	emester 1  Research Project 1  Biomaterials		
Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo	emester 1  Research Project 1  Biomaterials  r/Minor unit		
Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo	emester 1  Research Project 1  Biomaterials  r/Minor unit  r/Minor unit		
Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo Year 4, S EGH400	emester 1  Research Project 1  Biomaterials  r/Minor unit  r/Minor unit  emester 2		
Year 4, S EGH400 -1 EGH438 2nd Majo 2nd Majo Year 4, S EGH400 -2 EGH435	Research Project 1  Biomaterials  r/Minor unit  r/Minor unit  emester 2  Research Project 2  Modelling and Simulation for		

### **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	





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

Year	2021
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$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; Dr Jacob Coetzee (Engineering); phone +61 7 3138 2000; email: askqut@qut.edu.au
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) +61 7 3138 2000 askqut@qut.edu.au

## Domestic Assumed knowledge

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

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

# International Entry requirements Prerequisites

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

## International 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

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

## International Course structure

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

## **Design component**

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

## **Engineering component**

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



### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# Sample Structure

#### **Semesters**

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

Code	Title
Semester	1 (February) commencements

#### Year 1, Semester 1

DYB101 Impact Lab 1: Place

Introducing Design **DYB121** 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

ID Studio 1: User Centred **DNB110** Design

DYB122 Design Visualisations

**Engineering Unit** 

**Engineering Unit** 

# Year 2, Semester 2

ID Studio 2: Aesthetics and **DNB111** Visualisation

DYB102 Impact Lab 2: People

**Engineering Unit** 

**Engineering Unit** 

# Year 3, Semester 1

ID Studio 3: Interaction and **DNB210** Experience

ID Studio 4: Manufacturing **DNB211** Technology

**Engineering Unit** 

**Engineering Unit** 

### Year 3, Semester 2

ID Studio 5: Applied DNB212 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

ID Studio 1: User Centred **DNB110** Design Introducing Design

**DYB121** Fabrication

**Engineering Unit** 

**Engineering Unit** 

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

### Year 2, Semester 2

ID Studio 2: Aesthetics and **DNB111** 

Visualisation

DYB124 Design Consequences

**Engineering Unit** 

**Engineering Unit** 

### Year 3, Semester 1

ID Studio 4: Manufacturing **DNB211** Technology

DYB102 Impact Lab 2: People

**Engineering Unit** 

**Engineering Unit** 

### Year 3, Semester 2

ID Studio 5: Applied **DNB212** Technology

DYB201 Impact Lab 3: Planet

**Engineering Unit** 

**Engineering Unit** 

### Year 4, Semester 1

ID Studio 3: Interaction and **DNB210** Experience

DYB122 Design Visualisations

**Engineering Unit** 

**Engineering Unit** 

### Year 4, Semester 2

DNB311 ID Studio 7: Capstone

**Engineering Unit** 

**Engineering Unit** 

### Year 5, Semester 1

DNB310 ID Studio 6: Systems Design

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

DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1

KKB350 Creative Industries Study Tour

**Engineering Unit** 

**Engineering Unit** 

### Year 5, Semester 2

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

#### Year 6, Semester 1

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit Engineering Unit** 

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



#### Bachelor of Design (Industrial Design) nours)

• Voor	3 - Semester 2	
<ul> <li>Year</li> </ul>	<u> 4 - Semester 1</u>	
<ul><li>Year</li></ul>	4 - Semester 2	
<ul><li>Year</li></ul>	5 - Semester 1	
	5 - Semester 2	
ode	Title	
emester 1 (February) com		

• Year 5 - Semester 2		
Code	Title	
Semester	1 (February) commencements	
	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 8	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 8	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 8	Semester 1	
EGB261	Unit Operations	
EGB323	Fluid Mechanics	
	Semester 2	
CVB101		
EGB322	Thermodynamics	
	Semester 1	
EGB262	Process Principles	
EGB362	Operations Management and Process Economics	
	Semester 2	
EGB364	Process Modelling	
EGH411	Industrial Chemistry	
rear 5 - 8	Semester 1 Minerals and Minerals	
EGB361	Processing	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH463	Plant and Process Design	
	Semester 2	
EGH400 -2	Research Project 2	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	
EGH462	Process Control	

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• Semester 1 (February) commencements

/Bachelor of Engineering (	Hor
<ul> <li>Year 1 - Semester 1</li> <li>Year 1 - Semester 2</li> <li>Year 2 - Semester 1</li> <li>Year 2 - Semester 2</li> <li>Year 3 - Semester 1</li> <li>Year 3 - Semester 2</li> <li>Year 4, Semester 1</li> <li>Year 4 - Semester 2</li> <li>Year 5 - Semester 1</li> <li>Year 5 - Semester 2</li> </ul>	

• <u>Year</u>	r 4 - Semester 2
<ul><li>Year</li></ul>	r 5 - Semester 1
• <u>real</u>	r 5 - Semester 2
Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
	Civil Engineering Systems
Foundation	on Unit Option
Year 3 - 5	Semester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - S	Semester 2
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, S	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - S	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - S	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year <u>5</u> - <u>S</u>	Semester 2
EGH400	
-2	Research Project 2
EGH472	Advanced Highway and
	Pavement Engineering
FOLIATE	Advanced Concrete

EGH475 Advanced Concrete

	Structures
EGH479	Advances in Civil Engineering Practice

### **Semesters**

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

Code Title

Code	little
Semester	1 (February) commencements
Year 1 - 8	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 8	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
CAB201	Programming Principles
EGB242	Signal Analysis
Year 3 - 9	Semester 2
CAB202	Microprocessors and Digital Systems
Intermedi	ate Electrical Option Unit
Year 4 - 9	Semester 1
EGB240	Electronic Design
CAB301	Algorithms and Complexity
Year 4 - S	Semester 2
CAB403	Systems Programming
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGH400 -1	Research Project 1
CAB302	Software Development
EGH456	Embedded Systems
Advanced	d 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

<u> </u>		
Code	Title	
Semester	1 (February) commencements	
Year 1 - 8	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB120	Foundations of Electrical Engineering	
Year 3 - 9	Semester 1	
EGB240	Electronic Design	
EGB241	Electromagnetics and Machines	
Year 3 - 9	Semester 2	
EGB242	Signal Analysis	
Intermedi	ate Electrical Option Unit (1)	
requisite	can be selected from the list. A waiver for this unit will be you are enrolled in EGB242 at time.	
Year 4 - 8	Semester 1	
EGB340	Design and Practice	
Foundation Unit Option		

Year 4 - Semester 2

Intermediate Electrical Option Unit (2)		
Intermedi	ate Electrical Option Unit (3)	
Year 5 - S	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

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

Title

Semester	1 (February) commencements		
Year 1 - Semester 1			
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
MXB161	Computational Explorations		
Year 1 - S	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - S	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - S	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation Unit Option			
Year 3 - Semester 1			
CAB202	Microprocessors and Digital Systems		
EGB240	Electronic Design		
Year 3 - S	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 - S	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced	l Electrical Option Unit
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems

#### **Semesters**

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

Code	Title	
Semester 1 (February) commencemer		
Year 1 - Semester 1		
ECR112	Energy in Engineering	

Systems Introductory Engineering MZB125 Mathematics

OR

EGB113

MXB161 | Computational Explorations

Year 1 - Semester 2

Engineering Sustainability and EGB100 Professional Practice

MZB126 Engineering Computation

Year 2 - Semester 1

Foundation of Engineering **EGB111** Design

EGB121 Engineering Mechanics

Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

Foundation Unit Option

Year 3 - Semester 1

EGB214 | Materials and Manufacturing EGB314 Strength of Materials

Year 3 - Semester 2



EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - 9	Semester 1
EGB321	Dynamics of Machines
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB316	Design of Machine Elements
EGB316 EGH400 -1	Design of Machine Elements  Research Project 1
EGH400	Research Project 1
EGH400 -1	Research Project 1 Stress Analysis
EGH400 -1 EGH414 EGH421	Research Project 1 Stress Analysis
EGH400 -1 EGH414 EGH421	Research Project 1 Stress Analysis Vibration and Control
EGH400 -1 EGH414 EGH421 Year 5 - S EGH400	Research Project 1 Stress Analysis Vibration and Control Semester 2 Research Project 2
EGH400 -1 EGH414 EGH421 Year 5 - S EGH400 -2	Research Project 1 Stress Analysis Vibration and Control Gemester 2 Research Project 2 Mechanical Systems Design
EGH400 -1 EGH414 EGH421 Year 5 - S EGH400 -2 EGH420	Research Project 1 Stress Analysis Vibration and Control Semester 2 Research Project 2 Mechanical Systems Design Advanced Thermodynamics

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

Code	Title		
Semester	1 (February) commencements		
Year 1 - 9	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 9	Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 9	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 9	Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		

Year 3 - Semester 1

EGB211	Dynamics
EGB242	Signal Analysis
Year 3 - 8	Semester 2
CAB202	Microprocessors and Digital Systems
EGB345	Control and Dynamic Systems
Year 4 - S	Semester 1
EGB220	Mechatronics Design 1
Intermedi	ate Mechanical Option Unit
Year 4 - S	Semester 2
EGB320	Mechatronics Design 2
Intermedi	ate Electrical Option Unit
Year 5 - 8	Semester 1
Year 5 - 8 EGH400 -1	Semester 1  Research Project 1
EGH400	
EGH400 -1	Research Project 1 Research in Engineering Practice
EGH400 -1 EGH404	Research Project 1 Research in Engineering Practice Mechatronics Design 3
EGH400 -1 EGH404 EGH419 EGH445	Research Project 1 Research in Engineering Practice Mechatronics Design 3
EGH400 -1 EGH404 EGH419 EGH445	Research Project 1 Research in Engineering Practice Mechatronics Design 3 Modern Control
EGH400 -1 EGH404 EGH419 EGH445 Year 5 - S EGH400 -2	Research Project 1  Research in Engineering Practice  Mechatronics Design 3  Modern Control  Semester 2
EGH400 -1 EGH404 EGH419 EGH445 Year 5 - S EGH400 -2 Advanced	Research Project 1  Research in Engineering Practice  Mechatronics Design 3  Modern Control  Gemester 2  Research Project 2

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

Code	Title		
Semester 1 (February) commencements			
Year 1 - 9	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - Semester 2			
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 9	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 9	Semester 2		
EGB120	Foundations of Electrical		

	Engineering		
Foundation Unit Option			
Year 3 - 8	Semester 1		
EGB314	Strength of Materials		
LQB187	Human Anatomy		
LQB187 i	replaces LSB131 from 2021		
Year 3 - 8	Semester 2		
EGB211	Dynamics		
LSB231	Physiology		
Year 4 - 8	Semester 1		
EGB214	Materials and Manufacturing		
EGB323	Fluid Mechanics		
Year 4 - 9	Semester 2		
EGB210	Fundamentals of Mechanical Design		
EGH404	Research in Engineering Practice		
Year 5 - 8	Semester 1		
EGB319	BioDesign		
EGH400 -1	Research Project 1		
EGH414	Stress Analysis		
EGH418	Biomechanics		
Year 5 - Semester 2			
EGH400 -2	Research Project 2		
EGH424	Biofluids		
EGH435	Modelling and Simulation for Medical Engineers		
EGH438	Biomaterials		





Year	2021
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$7,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$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; Dr Jacob Coetzee (Engineering); phone +61 7 3138 2000; email: askqut@qut.edu.au
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

+61 7 3138 2000

askqut@qut.edu.au

Devakar Epari (Medical)

# Domestic Assumed knowledge

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

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

# International Entry requirements Prerequisites

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

# International Subject prerequisites

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

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

# Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design 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

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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**

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Your engineering studies will include:

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You must choose a major from:

• chemical process engineering



- · civil engineering
- computer and software systems engineering
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- mechanical engineering
- · medical engineering

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# Sample Structure

#### **Semesters**

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

Code	Title	

# Semester 1 (February) commencements

# Year 1, Semester 1

DYB101 Impact Lab 1: Place

Introducing Design **DYB121** 

Fabrication

**Engineering Unit** 

**Engineering Unit** 

### Year 1, Semester 2

DYB102 Impact Lab 2: People

DYB123 Emerging Design Technology

**Engineering Unit** 

**Engineering Unit** 

### Year 2, Semester 1

DXB110

Principles of Interaction Design

DYB122 Design Visualisations

**Engineering Unit** 

### **Engineering Unit**

### Year 2, Semester 2

DXB111 Introduction to Web Design

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** 

# 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** 

DYB124 Design Consequences

DXB111 Introduction to Web Design

Engineering Unit

**Engineering Unit** 

### Year 3, Semester 1

Principles of Interaction DXB110

Design

DXB211 | Creative Coding

**Engineering Unit** 

**Engineering Unit** 

# Year 3, Semester 2

DYB102 Impact Lab 2: People

DXB212 Tangible Media

**Engineering Unit** 

**Engineering Unit** 

# Year 4, Semester 1

DXB210 Critical Experience Design

DXB310 | Augmented Interactions

**Engineering Unit** 

**Engineering Unit** 

#### Year 4, Semester 2

Advanced Interaction Design **DXB311** Project

**Engineering Unit** 

**Engineering Unit** 

### Year 5, Semester 1

DYB201 Impact Lab 3: Planet

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

DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1

KKB350 Creative Industries Study Tour

**Engineering Unit** 

**Engineering Unit** 

# Year 5, Semester 2

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

# **Engineering Unit**

Year 6, Semester 1 **Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 • Year 2 - Semester 2
- Year 3 Semester 1 Year 3 - Semester 2
- Year 4 Semester 1 • Year 4 - Semester 2
- **Engineering Unit** Year 2, Semester 1 Introducing Design **DYB121** Fabrication DYB122 Design Visualisations **Engineering Unit Engineering Unit** Year 2, Semester 2



•	Year	5 -	Semes	ster	1
		_	_		_

• Year 5 - Semester 2

• Year 5 - Semester 2			
Code	Title		
Semester 1 (February) commencements			
Year 1 - S	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - S	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - S	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - S	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 8	Semester 1		
EGB261	Unit Operations		
EGB323	Fluid Mechanics		
Year 3 - 8	Semester 2		
CVB101	General Chemistry		
EGB322	Thermodynamics		
Year 4 - S	Semester 1		
EGB262	Process Principles		
EGB362	Operations Management and Process Economics		
Year 4 - 9	Semester 2		
EGB364	Process Modelling		
EGH411	Industrial Chemistry		
Year 5 - S	Semester 1		
EGB361	Minerals and Minerals Processing		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH463	Plant and Process Design		
Year 5 - S	Semester 2		
EGH400 -2	Research Project 2		
EGH422	Advanced Thermodynamics		
EGH423	Fluids Dynamics		
EGH462	Process Control		
Semeste	ers		

### Semesters

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

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

<ul> <li>Year 4, Semester 1</li> </ul>			
<ul> <li>Year 4 - Semester 2</li> </ul>			
<ul><li>Year 5 - Semester 1</li><li>Year 5 - Semester 2</li></ul>			
Code	Title		
	1 (February) commencements		
Year 1 - 8	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
	Semester 2		
EGB123	Civil Engineering Systems		
	on Unit Option		
	Semester 1		
EGB270			
EGB272	Traffic and Transport Engineering		
Vear 3 - 9	Semester 2		
EGB273			
EGB373	Geotechnical Engineering		
	emester 1		
EGB275	Structural Mechanics		
EGB371			
	Engineering Hydraulics		
	Semester 2		
EGB376	Steel Design		
EGH471	Advanced Water Engineering		
	Semester 1		
EGB375	Design of Concrete Structures		
EGH400 -1	Research Project 1		
EGH404	Research in Engineering Practice		
EGH473	Advanced Geotechnical Engineering		
Year 5 - S	Semester 2		
EGH400 -2	Research Project 2		
EGH472	Advanced Highway and Pavement Engineering		
EGH475	Advanced Concrete Structures		

Advances in Civil Engineering

### **Semesters**

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

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



EGH479

Practice

EGH455	Advanced Systems Design		
	Advanced Computer & Software Systems Option Unit		
CAB432	Cloud Computing		

#### **Semesters**

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

• Year 5 - Semester 2				
Code	Title			
Semester 1 (February) commencements				
Year 1 - 9	Semester 1			
EGB113	Energy in Engineering Systems			
MZB125	Introductory Engineering Mathematics			
OR				
MXB161	Computational Explorations			
Year 1 - 9	Semester 2			
EGB100	Engineering Sustainability and Professional Practice			
MZB126	Engineering Computation			
Year 2 - S	Semester 1			
EGB111	Foundation of Engineering Design			
EGB121	Engineering Mechanics			
Year 2 - Semester 2				
CAROOS	Microprocessors and Digital Systems			
CAB202	Systems			
EGB120	Systems Foundations of Electrical Engineering			
EGB120	Foundations of Electrical			
EGB120	Foundations of Electrical Engineering Semester 1			
EGB120 Year 3 - S	Foundations of Electrical Engineering Semester 1			
EGB120 Year 3 - 5 EGB240 EGB241	Foundations of Electrical Engineering Semester 1 Electronic Design Electromagnetics and			
EGB120 Year 3 - S EGB240 EGB241 Year 3 - S	Foundations of Electrical Engineering Semester 1 Electronic Design Electromagnetics and Machines			
EGB120 Year 3 - S EGB240 EGB241 Year 3 - S EGB242	Foundations of Electrical Engineering Semester 1 Electronic Design Electromagnetics and Machines Semester 2			
EGB120 Year 3 - S EGB240 EGB241 Year 3 - S EGB242 Intermedi EGB348 requisite	Foundations of Electrical Engineering  Semester 1  Electronic Design  Electromagnetics and Machines  Semester 2  Signal Analysis ate Electrical Option Unit (1) can be selected from the list. A waiver for this unit will be if you are enrolled in EGB242 at			
EGB120 Year 3 - S EGB240 EGB241 Year 3 - S EGB242 Intermedi EGB348 requisite granted if the same	Foundations of Electrical Engineering  Semester 1  Electronic Design  Electromagnetics and Machines  Semester 2  Signal Analysis ate Electrical Option Unit (1) can be selected from the list. A waiver for this unit will be if you are enrolled in EGB242 at			

**Foundation Unit Option** Year 4 - Semester 2

Year 5 - Semester 1

Intermediate Electrical Option Unit (2) Intermediate Electrical Option Unit (3)

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)			
0 1 -			

### **Semesters**

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

Code	Title			
Semester 1 (February) commencements				
Year 1 - S	Semester 1			
EGB113	Energy in Engineering Systems			
MZB125	Introductory Engineering Mathematics			
MXB161	Computational Explorations			
Year 1 - 9	Semester 2			
EGB100	Engineering Sustainability and Professional Practice			
MZB126	Engineering Computation			
Year 2 - 9	Semester 1			
EGB111	Foundation of Engineering Design			
EGB121	Engineering Mechanics			
Year 2 - 8	Semester 2			
EGB120	Foundations of Electrical Engineering			
Foundation	on Unit Option			
Year 3 - 9	Semester 1			
CAB202	Microprocessors and Digital Systems			
EGB240	Electronic Design			
Year 3 - 8	Semester 2			
EGB242	Signal Analysis			
Intermedi	ate Electrical Option Unit			
Year 4 - S	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 - 8	Semester 2			
EGH400 -2	Research Project 2			
EGH445	Modern Control			
EGH450	Advanced Unmanned Aircraft Systems			
Advanced Electrical Option Unit				
Advanced	Lieunicai Option Onit			

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

	<u> </u>			
Code	Title			
Semester 1 (February) commencements				
Year 1 - Semester 1				
EGB113	Energy in Engineering Systems			
MZB125	Introductory Engineering Mathematics			
OR				
MXB161	Computational Explorations			
Year 1 - S	Semester 2			
EGB100	Engineering Sustainability and Professional Practice			
MZB126	Engineering Computation			
Year 2 - Semester 1				
EGB111	Foundation of Engineering Design			
EGB121	Engineering Mechanics			
Year 2 - Semester 2				
EGB120	Foundations of Electrical Engineering			
Foundation	on Unit Option			
Year 3 - 9	Semester 1			
EGB214	Materials and Manufacturing			
EGB314	Strength of Materials			
Year 3 - S	Semester 2			
EGB210	Fundamentals of Mechanical Design			
EGB211	Dynamics			



Year 4 - Semester 1			
EGB321	Dynamics of Machines		
EGB323	Fluid Mechanics		
Year 4 - Semester 2			
EGB322	Thermodynamics		
EGH404	Research in Engineering Practice		
Year 5 - 8	Semester 1		
EGB316	Design of Machine Elements		
EGH400 -1	Research Project 1		
EGH414	Stress Analysis		
EGH421	Vibration and Control		
Year 5 - Semester 2			
	5011100101 =		
EGH400 -2	Research Project 2		
	Research Project 2		
-2 EGH420	Research Project 2		

S	en	ne	st	e	rs

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

Code	Title		
Semester 1 (February) commencements			
Year 1 - Semester 1			
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - Semester 1			
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - S	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation Unit Option			
Year 3 - Semester 1			
EGB211	Dynamics		
EGB242	Signal Analysis		
Year 3 - S	Semester 2		

CAB202	Microprocessors and Digital Systems			
EGB345	Control and Dynamic Systems			
Year 4 - 9	Year 4 - Semester 1			
EGB220	Mechatronics Design 1			
Intermedi	Intermediate Mechanical Option Unit			
Year 4 - Semester 2				
EGB320	Mechatronics Design 2			
Intermediate Electrical Option Unit				
Year 5 - Semester 1				
EGH400 -1	Research Project 1			
EGH404	Research in Engineering Practice			
EGH419	Mechatronics Design 3			
EGH445	Modern Control			
Year 5 - 8	Year 5 - Semester 2			
EGH400 -2	Research Project 2			
Advanced Mechanical Option Unit				
EGH446	Autonomous Systems			
Advanced Electrical Option Unit				

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

Code	Title			
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	EGB120 Foundations of Electrical Engineering			
Foundation Unit Option				
Year 3 - 9	Year 3 - Semester 1			

5)			
ECD244	Strangth of Matariala		
	Strength of Materials		
LQB187	Human Anatomy		
	replaces LSB131 from 2021		
onwards			
Year 3 - Semester 2			
EGB211	- <b>,</b>		
LSB231	Physiology		
Year 4 - 8	Semester 1		
EGB214	Materials and Manufacturing		
EGB323	Fluid Mechanics		
Year 4 - S	Semester 2		
EGB210	Fundamentals of Mechanical Design		
EGH404	Research in Engineering Practice		
Year 5 - Semester 1			
EGB319	BioDesign		
EGH400 -1	Research Project 1		
EGH414	Stress Analysis		
EGH418	Biomechanics		
Year 5 - 8	Semester 2		
EGH400 -2	Research Project 2		
EGH424	Biofluids		
EGH435	Modelling and Simulation for Medical Engineers		
EGH438	Biomaterials		





Year	2021
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$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; Dr Jacob Coetzee (Engineering); phone +61 7 3138 2000; email: askqut@qut.edu.au
Discipline Coordinator	Dr Greg 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) +61 7 3138 2000

askqut@qut.edu.au

# Domestic Assumed knowledge

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

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

# International Entry requirements Prerequisites

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

# International Subject prerequisites

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

# Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

In order to complete this course, you must complete a total of 480 credit points, made up of 192 credit points from the Bachelor of Design (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)
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You must choose a major from:

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

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

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· chemical process engineering





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

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

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# Sample Structure

#### **Semesters**

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

Code	Title	

# Semester 1 (February) commencements

DYB101 Impact Lab 1: Place

DYB111 | Create and Represent: Form

**Engineering Unit** 

Year 1, Semester 1

**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

**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

Landform, Technology and **DLB201** Techniques

Landscape, People and Place

**Engineering Unit Engineering Unit** 

**DLB202** 

### 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

Landscape Materiality and **DLB302** 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

Landform, Technology and **DLB201** Techniques

Landscape, People and Place **DLB202** Studio

**Engineering Unit** 

**Engineering Unit** 

#### Year 4, Semester 2

Landscape Materiality and **DLB302** Constructs

DLB303 Resilient Landscapes Studio

**Engineering Unit** 

**Engineering Unit** 

### Year 5, Semester 1

DLB301 Landscape Ecology

One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):

DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1

KKB350 Creative Industries Study Tour

UXB301 Professional Practice **Engineering Unit** 

**Engineering Unit** 

## Year 5, Semester 2

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

### **Engineering Unit** Year 6, Semester 1

**Engineering Unit Engineering Unit** 





**Engineering Unit Engineering Unit** 

#### **Semesters**

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

Code	Title
Semester	1 (February) commencements

# Year 1, Semester 1

DYB101 Impact Lab 1: Place

DYB111 | Create and Represent: Form

**Engineering Unit** 

**Engineering Unit** 

### Year 1, Semester 2

Create and Represent: **DYB113** Materials

DYB114 Spatial Histories

**Engineering Unit** 

**Engineering Unit** 

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

### Year 2, Semester 1

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

		Landform, Technology and Techniques
Landscape,		Landscape, People and Place

**DLB202** 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

Landform, Technology and **DLB201** Techniques

Landscape, People and Place **DLB202** 

Studio

**Engineering Unit** 

**Engineering Unit** 

### Year 4, Semester 2

Landscape Materiality and DLB302 Constructs

DLB303 Resilient Landscapes Studio

**Engineering Unit** 

**Engineering Unit** 

### Year 5, Semester 1

DLB301 Landscape Ecology

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

DYB301 Impact Lab 4: Purpose

KKB341 Work Integrated Learning 1

KKB350 Creative Industries Study Tour

**Engineering Unit** 

**Engineering Unit** 

## Year 5, Semester 2

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit Engineering Unit** 

# Year 6, Semester 1

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit** 

### **Semesters**

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

• Year 5 - Semester 2 Title

Semester 1 (February) commencements

Year 1 - Semester 1

Code

	or or Booigir (Earlaceape /			
EGB113	Energy in Engineering Systems			
MZB125	Introductory Engineering Mathematics			
OR				
MXB161 Computational Explorations				
Year 1 - 9	Semester 2			
EGB100	Engineering Sustainability and Professional Practice			
MZB126	Engineering Computation			
Year 2 - 9	Semester 1			
EGB111	Foundation of Engineering Design			
EGB121	Engineering Mechanics			
Year 2 - S	Semester 2			
EGB120	Foundations of Electrical Engineering			
Foundation	on Unit Option			
Year 3 - 3	Semester 1			
EGB261	Unit Operations			
EGB323	Fluid Mechanics			
Year 3 - 8	Semester 2			
CVB101	General Chemistry			
EGB322	Thermodynamics			
Year 4 - Semester 1				
EGB262	Process Principles			
EGB362	Operations Management and Process Economics			
Year 4 - Semester 2				
EGB364	Process Modelling			
EGH411	Industrial Chemistry			
Year 5 - 8	Semester 1			
EGB361	Minerals and Minerals Processing			
EGH400 -1	Research Project 1			
EGH404	Research in Engineering Practice			
EGH463	Plant and Process Design			
Year 5 - 5	Semester 2			
EGH400 -2	Research Project 2			
EGH422	Advanced Thermodynamics			
EGH423	Fluids Dynamics			
EGH462	Process Control			
Semeste	Semesters			

S	em	iest	teı	'S

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

fillecture / bachelor of Engineering			
	Code	Title	
	Semester 1 (February) commencements		
	Year 1 - S	Semester 1	
	EGB113	Energy in Engineering Systems	
	MZB125	Introductory Engineering Mathematics	
	OR		
	MXB161	Computational Explorations	
	Year 1 - 9	Semester 2	
		Engineering Sustainability and	

#### Engineering Sustainability EGB100 **Professional Practice** MZB126 Engineering Computation

# Year 2 - Semester 1

EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	

# Year 2 - Semester 2 EGB123 | Civil Engineering Systems

Year 3 - Semester

EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering

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EGB273	Principles of Construction
EGB373	Geotechnical Engineering

# Year 4, Semester 1

,	
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics

Year	4 -	Semester	2

EGB3/6	Steel Design
EGH471	Advanced Water Engineering

## Year 5 - Semester 1

	EGB3/5	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	e Title		
	1 (February) commencements		
Year 1 - S	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - S	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 9	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 8	Semester 1		
CAB201	Programming Principles		
EGB242	Signal Analysis		
Year 3 - 8	Semester 2		
CAB202	Microprocessors and Digital Systems		
Intermedi	ate Electrical Option Unit		
Year 4 - 9	Semester 1		
EGB240	Electronic Design		
CAB301	Algorithms and Complexity		
Year 4 - 9	Semester 2		
CAB403	Systems Programming		
EGH404	Research in Engineering Practice		
Year 5 - S	Semester 1		
EGH400 -1	Research Project 1		
CAB302	Software Development		
EGH456	Embedded Systems		



EGH400

Research Project 2

EGH455 | Advanced Systems Design

Advanced Computer & Software Systems Option Unit

Advanced Computer & Software

Systems Option Unit

Year 5 - Semester 2

CAB432 Cloud Computing



#### **Semesters**

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

•	Year	5 -	Semes	ster 2

<ul> <li>Year 5 - Semester 2</li> </ul>			
Code	Title		
Semeste	r 1 (February) commencements		
Year 1 - 9	Year 1 - Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161			
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 9	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 9	Semester 2		
CAB202	Microprocessors and Digital Systems		
EGB120	Foundations of Electrical Engineering		
Year 3 - 3	Semester 1		
EGB240	Electronic Design		
EGB241	Electromagnetics and Machines		
Year 3 - 3	Semester 2		
EGB242	Signal Analysis		
Intermedi	iate Electrical Option Unit (1)		
EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time.			
Year 4 - S	Semester 1		
EGB340	Design and Practice		
Foundation	on Unit Option		
Year 4 - S	Semester 2		
Intermediate Electrical Option Unit (2)			
	ate Electrical Option Unit (3)		
	Semester 1		
EGH400	Research Project 1		

Practice Advanced Electrical Option Unit (1)

EGH404

Research in Engineering

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		
<ul><li>Year 1 - Semester 2</li><li>Year 2 - Semester 1</li></ul>		
• Year 2 - Semester 2		
<ul> <li>Year 3 - Semester 1</li> </ul>		
	r 3 - Semester 2	
• <u>Yea</u>	r 4 - Semester 1 r 4 - Semester 2	
	r 5 - Semester 1	
	r 5 - Semester 2	
Code	Title	
	1 (February) commencements	
	Semester 1	
E00440	Energy in Engineering	
EGB113	Systems	
MZB125	Introductory Engineering Mathematics	
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
E00400	Engineering Sustainability and	
EGB100	Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
	Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB240	Electronic Design	
	Semester 2	
FGB242	Signal Analysis	
	ate Electrical Option Unit	
	Semester 1	
EGB243	Aircraft Systems and Flight	
EGB349	Systems Engineering and Design Project	
Voor 4 -		
	Semester 2	
EGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
Year 5 - 8	Semester 1	
EGH400	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 1Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1Year 5 Semester 2

Code	Title	
Semester 1 (February) commencements		
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - S	Semester 1	
EGB214	Materials and Manufacturing	
EGB314	Strength of Materials	
Year 3 - S	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB211	Dynamics	
Year 4 - S	Semester 1	
EGB321	Dynamics of Machines	
EGB323	Fluid Mechanics	
Year 4 - S	Semester 2	



EGB322 Thermodynamics

EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 5 - Semester 2	
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics

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

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

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Code	Title	
Semester	1 (February) commencements	
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 8	Semester 1	
EGB211	Dynamics	
EGB242	Signal Analysis	
Year 3 - Semester 2		
CAB202	Microprocessors and Digital Systems	
EGB345	Control and Dynamic Systems	
Year 4 - 9	Semester 1	
EGB220	Mechatronics Design 1	

Intermediate Mechanical Option Unit	
Year 4 - Semester 2	
EGB320	Mechatronics Design 2
Intermedi	ate Electrical Option Unit
Year 5 - 8	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Year 5 - Semester 2	
EGH400 -2	Research Project 2
Advanced Mechanical Option Unit	
EGH446	Autonomous Systems
Advanced Electrical Option Unit	

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

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB314	Strength of Materials
LQB187	Human Anatomy
LQB187 replaces LSB131 from 2021 onwards	
Year 3 - 8	Semester 2

EGB211	Dynamics
LSB231	Physiology
Year 4 - 9	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - 9	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB319	BioDesign
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH438	Biomaterials





# Bachelor of Design/Bachelor of Engineering (Honours)

Year	2021
QUT code	ID14
CRICOS	096569J
Duration (full-time)	5 years
Campus	Gardens Point, Kelvin Grove
Domestic fee (indicative)	2021: CSP \$7,700 per year full-time (96 credit points)
International fee (indicative)	2021: \$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
Course Coordinator	Program Director, School of Design; Dr Jacob Coetzee (Engineering); phone +61 7 3138 2000; email: askqut@qut.edu.au

# Minimum English requirements

Students must meet the English proficiency requirements.





Year	2021	
QUT code	ID18	
CRICOS	096573B	
Duration (full-time)	5 years	
ATAR/Selection rank	80.00	
Offer Guarantee	Yes	
Campus	Gardens Point	
Domestic fee (indicative)	2021: CSP \$8,600 per year full-time (96 credit points)	
International fee (indicative)	2021: \$32,300 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	
Course Coordinator	Program Director, School of Design; Dr Paul Donehue (Urban Development)	
Discipline Coordinator	Sarah Briant (Architecture); Jason Gray (Quantity Surveying and Cost Engineering) +61 7 3138 2000 askqut@qut.edu.au	

# **Domestic Assumed knowledge**

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

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

# Minimum English requirements

Students must meet the English proficiency requirements.

### **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)(Quantity Surveying and Cost Engineering). 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**

In order to complete the Architecture major, you must complete a total of 240 credit points of core units comprising:

- Architecture, Impact Lab and Design foundation units - 192 credit points
- four units completed as part of the Quantity Surveying and Cost Engineering component - 48 credit points\*\*

### **Urban Development component**

The Quantity Surveying and Cost Engineering major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12cps professional practice unit and 12cps research methods unit.
- 192 credit points of Quantity Surveying and Cost Engineering discipline units24 credit points capstone project.

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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)(Quantity Surveying and Cost Engineering). 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**

In order to complete the Architecture major, you must complete a total of 240 credit points of core units comprising:

- Architecture, Impact Lab and Design foundation units - 192 credit points
- four units completed as part of the Quantity Surveying and Cost Engineering component - 48 credit points\*\*

### **Urban Development component**

The Quantity Surveying and Cost Engineering major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12cps professional practice unit and 12cps research methods unit.
- 192 credit points of Quantity Surveying and Cost Engineering discipline units24 credit points capstone project.
- \*\*Four units are completed as part of the Quantity Surveying and Cost Engineering component and will contribute to the completion requirements of both courses.

### 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



<sup>\*\*</sup>Four units are completed as part of the Quantity Surveying and Cost Engineering component and will contribute to the completion requirements of both courses.

### Bachelor of Design (Architecture) / Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering)

degree area, depending on how they match with your QUT course.

### Sample Structure Semesters

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

Title

Code

Semester 1 (February) commencements						
Year 1, Semester 1						
DYB101	Impact Lab 1: Place					
DYB111	Create and Represent: Form					
UXB100	Design-thinking for the Built Environment					
UXB110	Residential Construction					
Year 1, S	emester 2					
DYB113	Create and Represent: Materials					
DYB114	Spatial Histories					
UXB120	Introduction to Heavy Engineering Sector Technology					
UXB121	Imagine Quantity Surveying and Cost Engineering					
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, S	emester 2					
DAB102	Architectural Design 2: Spaces					

DYB102 Impact Lab 2: People

UXB114 Integrated Construction

UXB113 | Measurement for Construction

V 2.2				
	emester 1 Modern Architecture			
DAB200	Architectural Design 3:			
DAB201	Dwelling			
UXB210	Commercial Construction			
UXB213	Advanced Measurement for Construction			
Year 3, S	emester 2			
DYB201	Impact Lab 3: Planet			
DAB202	Architectural Design 4: Metro			
LWS012	Urban Development Law			
UXB220	Services and Heavy Engineering Measurement			
Year 4, S	emester 1			
	Architectural Design 5:			
DAB301	Commercial			
DAB211	Environmental Principles of Architectural Design			
UXB211	Building Services			
UXH310	High-rise Construction			
Year 4, S	emester 2			
DAB302	Architectural Design 6: Communities			
DAB303	Integrated Architectural Technology			
UXB301	Professional Practice			
UXH300	Research Methods for the Future Built Environment			
Year 5, S	emester 1			
Year 5, S USB300	emester 1 Property Development			
USB300	Property Development			
USB300 UXH311 UXH400	Property Development Contract Administration			
USB300 UXH311 UXH400 -1 UXH420	Property Development Contract Administration Project - Part A Risk Management in the Energy and Resources			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312	Property Development Contract Administration Project - Part A  Risk Management in the Energy and Resources Sectors emester 2 Construction Legislation			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors emester 2			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312	Property Development Contract Administration Project - Part A  Risk Management in the Energy and Resources Sectors emester 2 Construction Legislation			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors  emester 2  Construction Legislation  Construction Estimating			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semeste	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls  2 (July) commencements			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors  emester 2  Construction Legislation  Construction Estimating  Project - Part B  Cost Planning and Controls  12 (July) commencements  emester 2			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semeste	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors  emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls  2 (July) commencements  emester 2  Impact Lab 1: Place			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors  emester 2  Construction Legislation  Construction Estimating  Project - Part B  Cost Planning and Controls  12 (July) commencements  emester 2			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S DYB101	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors  emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls  2 (July) commencements  emester 2  Impact Lab 1: Place Create and Represent:			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S DYB101 DYB113 UXB113 LWS012	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls 2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials  Measurement for Construction Urban Development Law			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S DYB101 DYB113 UXB113 LWS012	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls  12 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials Measurement for Construction Urban Development Law emester 1			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S DYB101 DYB113 UXB113 LWS012	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls 2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials  Measurement for Construction Urban Development Law			
USB300 UXH311 UXH400 -1 UXH420 Year 5, S UXH312 UXH315 UXH400 -2 UXH321 Semester Year 1, S DYB101 DYB113 UXB113 LWS012 Year 2, S	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors emester 2  Construction Legislation Construction Estimating  Project - Part B  Cost Planning and Controls  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials Measurement for Construction Urban Development Law emester 1  Architectural Design 1:			
USB300 UXH311 UXH400 -1  UXH420  Year 5, S UXH312 UXH315 UXH400 -2  UXH321 Semester Year 1, S DYB101  DYB113  UXB113  LWS012 Year 2, S DAB101	Property Development Contract Administration  Project - Part A  Risk Management in the Energy and Resources Sectors  emester 2  Construction Legislation  Construction Estimating  Project - Part B  Cost Planning and Controls  2 (July) commencements  emester 2  Impact Lab 1: Place  Create and Represent: Materials  Measurement for Construction  Urban Development Law  emester 1  Architectural Design 1:  Explorations			

Note: Students considering studying overseas in Year 3 Semester 1 must apply by 1 June. Year 2, Semester 2 Architectural Design 2: **DAB102** Spaces DYB102 Impact Lab 2: People Introduction to Heavy **UXB120** Engineering Sector Technology Imagine Quantity Surveying **UXB121** and Cost Engineering Year 3, Semester 1 Architectural Design 3: **DAB201** Dwelling DYB112 | Spatial Materiality Advanced Measurement for **UXB213** Construction Introduction to Modern **UXB115** Construction Business Year 3, Semester 2 DAB202 | Architectural Design 4: Metro DYB114 **Spatial Histories** UXB114 Integrated Construction Services and Heavy **UXB220 Engineering Measurement** Year 4, Semester 1 DAB200 Modern Architecture Environmental Principles of **DAB211** Architectural Design UXB210 Commercial Construction BSB113 **Economics** Year 4, Semester 2 Architectural Design 6: **DAB302** Communities Integrated Architectural **DAB303** Technology UXH321 | Cost Planning and Controls Research Methods for the **UXH300 Future Built Environment** Year 5, Semester 1 DYB201 Impact Lab 3: Planet Architectural Design 5: **DAB301** Commercial UXB211 Building Services UXH310 High-rise Construction Year 5, Semester 2 UXH312 | Construction Legislation UXH315 Construction Estimating **UXH400** Project - Part A UXB301 Professional Practice Year 6, Semester 1 USB300 | Property Development UXH311 | Contract Administration **UXH400** Project - Part B



# Bachelor of Design (Architecture) / Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering)

UXH420 Risk Management in the Energy and Resources Sectors





Year	2021
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ATAR/Selection rank	80.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 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; Dr Paul Donehue (Urban Development)
Discipline Coordinator	Sarah Briant (Architecture); Dr Melissa Teo (Construction Management) +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)

# 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**

In order to complete the Architecture major, you must complete a total of 240 credit points of core units comprising:

 Architecture, Impact Lab and Design foundation units - 192 credit

- points
- four units completed as part of the Construction Management component - 48 credit points\*\*

## **Urban Development component**

The Construction Management major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban
   Development units, including 12cps
   professional practice unit and 12cps
   research methods unit.
- 192 credit points of Construction Management discipline units
- 24 credit points capstone project.

\*\*Four units are completed as part of the Construction Management component and will contribute to the completion requirements of both courses.

# Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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**

In order to complete the Architecture major, you must complete a total of 240 credit points of core units comprising:

- Architecture, Impact Lab and Design foundation units - 192 credit points
- four units completed as part of the Construction Management component - 48 credit points\*\*

### **Urban Development component**

The Construction Management major component requires completion of 288 credit points (24 units) consisting of:

 72 credit points of core Urban Development units, including 12cps professional practice unit and 12cps



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

research methods unit.

- 192 credit points of Construction Management discipline units
- · 24 credit points capstone project.

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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 either degree area, depending on how they match with your QUT course.

# Sample Structure

#### **Semesters**

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

Code	Title			
Semester 1 (February) commencements				
Year 1, Semester 1				
DYB101	Impact Lab 1: Place			
DYB111	Create and Represent: Form			
UXB100	Design-thinking for the Built Environment			
UXB110	Residential Construction			
Year 1, 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.

elor of Urt	oan Development (Honours) (0	Co
Year 2, S	Semester 1	
DAB101	Architectural Design 1: Explorations	
DYB112	Spatial Materiality	
BSB113	•	
UXB115	Introduction to Modern Construction Business	
Vear 2 S	Semester 2	
rear z, e	Architectural Design 2:	
DAB102	Spaces	
DYB102	Impact Lab 2: People	
UXB113	Measurement for Construction	
UXB114	Integrated Construction	
	Semester 1	
DAB200	Modern Architecture	
DAB201	Architectural Design 3: Dwelling	
UXB210	Commercial Construction	
UXB213	Advanced Measurement for Construction	
Year 3, S	Semester 2	
DAB202	Architectural Design 4: Metro	
DYB201	Impact Lab 3: Planet	
LWS012	Urban Development Law	
UXB212	Design for Structures	
Year 4, S	Semester 1	
DAB301	Architectural Design 5: Commercial	
DAB211	Environmental Principles of Architectural Design	
UXB211	Building Services	
UXH310	High-rise Construction	
Year 4, S	Semester 2	
DAB302	Architectural Design 6: Communities	
DAB303	Integrated Architectural Technology	
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
Year 5, S	Semester 1	
USB300	Property Development	
UXH311	Contract Administration	
UXH400 -1	Project - Part A	
UXH411	Programming and Scheduling	
Year 5, S	Semester 2	
UXH312	Construction Legislation	
UXH315	Construction Estimating	
UXH400 -2	Project - Part B	
UXH410	Strategic Construction Management	
Semeste	r 2 (July) commencements	
	Semester 2	
DYB101	Impact Lab 1: Place	
וטוטוט	IIIIpaot Lab 1.1 lace	

DYB113	Create and Represent: Materials					
UXB111	Imagine Construction Management					
UXB112	Introduction to Structures					
Year 2, S	emester 1					
DAB101	Architectural Design 1: Explorations					
DYB111	Create and Represent: Form					
UXB100	Design-thinking for the Built Environment					
UXB110	Residential Construction					
	dents considering studying in Year 3 Semester 1 must 1 June.					
Year 2, S	emester 2					
DAB102	Architectural Design 2: Spaces					
DYB102	Impact Lab 2: People					
UXB113	Measurement for Construction					
UXB114	Integrated Construction					
Year 3, S	emester 1					
DAB201	Architectural Design 3: Dwelling					
DYB112	Spatial Materiality					
BSB113	Economics					
UXB115	Introduction to Modern Construction Business					
Year 3, S	emester 2					
DAB202	Architectural Design 4: Metro					
DADZUZ	Architectural Design 4. Wetro					
DYB114	Spatial Histories					
DYB114 LWS012	Spatial Histories Urban Development Law					
DYB114 LWS012 UXB212	Spatial Histories Urban Development Law Design for Structures					
DYB114 LWS012 UXB212 Year 4, S	Spatial Histories Urban Development Law Design for Structures emester 1					
DYB114 LWS012 UXB212 Year 4, S	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design					
DYB114 LWS012 UXB212 Year 4, S DAB200	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6:					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment emester 1 Impact Lab 3: Planet					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300 Year 5, S	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment emester 1					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300 Year 5, S DYB201	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment emester 1 Impact Lab 3: Planet Architectural Design 5:					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300 Year 5, S DYB201 DAB301 UXB211 UXB211 UXB211	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment emester 1 Impact Lab 3: Planet Architectural Design 5: Commercial Building Services High-rise Construction					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300 Year 5, S DYB201 DAB301 UXB211 UXB211 UXB211	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment emester 1 Impact Lab 3: Planet Architectural Design 5: Commercial Building Services High-rise Construction emester 2					
DYB114 LWS012 UXB212 Year 4, S DAB200 DAB211 UXB210 UXB213 Year 4, S DAB302 DAB303 UXB301 UXH300 Year 5, S DYB201 DAB301 UXB211 UXB211 UXB211	Spatial Histories Urban Development Law Design for Structures emester 1 Modern Architecture Environmental Principles of Architectural Design Commercial Construction Advanced Measurement for Construction emester 2 Architectural Design 6: Communities Integrated Architectural Technology Professional Practice Research Methods for the Future Built Environment emester 1 Impact Lab 3: Planet Architectural Design 5: Commercial Building Services High-rise Construction					





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

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				





Year	2021
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ATAR/Selection rank	80.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 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
Course Coordinator	Program Director, School of Design; Dr Paul Donehue (Urban Development)
Discipline Coordinator	Sarah Briant (Architecture); Mellini Sloan (Urban and Regional Planning) +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)

# **Minimum English** requirements

Students must meet the English proficiency requirements.

### **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) (Urban and Regional Planning). 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**

In order to complete the Architecture major, you must complete a total of 240 credit points of core units comprising:

- · Architecture, Impact Lab and Design foundation units - 192 credit
- · four units completed as part of the Urban and Regional Planning component - 48 credit points\*

### **Urban Development component**

The Urban and Regional Planning major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12cps professional practice unit and 12cps research methods unit.
- 192 credit points of Urban and Regional Planning discipline units
- 24 credit points capstone project.

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either

degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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) (Urban and Regional Planning). 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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- 192 credit points of Urban and Regional Planning discipline units
- 24 credit points capstone project.

\*\*Four units are completed as part of the Urban and Regional Planning component and will contribute to the completion requirements of both courses.

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

### Sample Structure

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



<sup>\*\*</sup>Four units are completed as part of the Urban and Regional Planning component and will contribute to the completion requirements of both courses.

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

•	Year	3,	Semes	ster	2
		-	_		_

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

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

<ul><li>Year 5, Semester 2</li><li>Year 6, Semester 1</li></ul>			
Code	Title		
	r 1 (February) commencements		
Year 1, S	emester 1		
DYB101	Impact Lab 1: Place		
DYB111	Create and Represent: Form		
UXB131	Planning and Design Practice		
UXB132	Urban Analysis		
Year 1, S	emester 2		
DYB102	Impact Lab 2: People		
DYB113	Create and Represent: Materials		
UXB133	Urban Studies		
UXB134	Land Use Planning		
overseas apply by	Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.		
Year 2, S	emester 1		
DAB101	Architectural Design 1: Explorations		
DYB112	Spatial Materiality		
BSB113	Economics		
UXB130	History of the Built Environment		
Year 2, S	emester 2		
DAB102	Architectural Design 2: Spaces		
LWS012	Urban Development Law		
UXB135	Negotiation and Conflict Resolution		
UXB230	Site Planning		
Year 3, S	emester 1		
	Architectural Design 3:		
DAB201	Dwelling		

UXB231 Stakeholder Engagement

DAB202 | Architectural Design 4: Metro **Small Scale Building** 

Construction DYB201 Impact Lab 3: Planet

UXB234 Transport Planning

UXB233 Planning Law Year 3, Semester 2

**DAB212** 

nelor of Urt	oan Development (Honours) (
Year 4, S	emester 1
DAB200	Modern Architecture
DAB301	Architectural Design 5: Commercial
DAB311	Systems and Structures
UXB301	Professional Practice
Year 4, S	emester 2
DAB302	Architectural Design 6: Communities
DAB303	Integrated Architectural Technology
DAB312	Building Services
UXH300	Research Methods for the Future Built Environment
Year 5, S	emester 1
USB300	Property Development
UXH400 -1	Project - Part A
UXH430	Planning Theory and Ethics
UXH431	Urban Planning Practice
Year 5, S	emester 2
UXH331	Environmental Planning
UXH400 -2	Project - Part B
UXH432	Community Planning
UXH433	Regional Planning
	r 2 (July) commencements
	emester 2
DYB101	Impact Lab 1: Place
DYB113	Create and Represent: Materials
UXB133	Urban Studies
UXB134	Land Use Planning emester 1
real 2, 3	Architectural Design 1:
DAB101	Explorations
DYB111	Create and Represent: Form
UXB131 UXB132	Planning and Design Practice Urban Analysis
	idents considering studying
	in Year 3 Semester 1 must
	emester 2
DAB102	Architectural Design 2: Spaces
DYB102	Impact Lab 2: People
LWS012	Urban Development Law
UXB230	Site Planning
Year 3, S	emester 1
DAB201	Architectural Design 3: Dwelling
DYB112	Spatial Materiality
DAB211	Environmental Principles of Architectural Design
UXB130	History of the Built Environment

Year 3, S	emester 2
DAB202	Architectural Design 4: Metro
DAB212	Small Scale Building Construction
UXB135	Negotiation and Conflict Resolution
UXB234	Transport Planning
Year 4, S	emester 1
DAB301	Architectural Design 5: Commercial
DAB311	Systems and Structures
UXB231	Stakeholder Engagement
UXB233	Planning Law
Year 4, S	emester 2
DAB302	Architectural Design 6: Communities
DAB303	Integrated Architectural Technology
DAB312	Building Services
UXH300	Research Methods for the Future Built Environment
Year 5, S	emester 1
DAB200	Modern Architecture
DYB201	Impact Lab 3: Planet
BSB113	Economics
UXB301	Professional Practice
Year 5, S	emester 2
UXH331	Environmental Planning
UXH400 -1	Project - Part A
UXH432	Community Planning
UXH433	Regional Planning
Year 6, S	emester 1
USB300	Property Development
UXH400 -2	Project - Part B
UXH430	Planning Theory and Ethics
UXH431	Urban Planning Practice





Year	2021
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 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; Dr Paul Donehue (Urban Development)
Discipline Coordinator	Dr Penny Wild (Interior Architecture); Professor Robin Drogemuller (Construction Management) +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)

# 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**

In order to complete the Interior Architecture major, you must complete a total of 192 credit points of core units comprising:

Interior Architecture, Impact Lab

and Design foundation units - 192 credit points

## **Urban development component**

The Construction Management major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12cps professional practice unit and 12cps research methods unit.
- 192 credit points of Construction Management discipline units
- 24 credit points capstone project.

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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**

In order to complete the Interior Architecture major, you must complete a total of 192 credit points of core units comprising:

 Interior Architecture, Impact Lab and Design foundation units - 192 credit points

### **Urban development component**

The Construction Management major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12cps professional practice unit and 12cps research methods unit.
- 192 credit points of Construction Management discipline units
- 24 credit points capstone project.

### Study overseas

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





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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# **Sample Structure**

### **Semesters**

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

Code	Title	
Semester 1 (February) commencements		
Year 1, Semester 1		
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
UXB100	Design-thinking for the Built Environment	
UXB110	Residential Construction	
Year 1, 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, S	emester 1	
DTB101	Interior Studio: Interiority	
DYB112	Spatial Materiality	
BSB113	Economics	
UXB115	Introduction to Modern Construction Business	
Year 2, Semester 2		
DTB102	Interior Studio: Inhabitance	
DYB102	Impact Lab 2: People	
UXB113	Measurement for Construction	
UXB114	Integrated Construction	
Year 3, Semester 1		

	orban Development (Honours) (C	
DTB200	Interior Access and Assemblies	
DTB204	Interior Studio: Inclusion	
UXB210	Commercial Construction	
UXB213	Advanced Measurement for Construction	
Year 3, S	emester 2	
DTB205	Design Psychology	
DYB201	Impact Lab 3: Planet	
LWS012	Urban Development Law	
UXB212	Design for Structures	
Year 4, S	emester 1	
DTB304	Design in Society	
	from the Impact Lab Unit .ist (DYB301, KKB341 or :	
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
UXB211	Building Services	
UXH310	High-rise Construction	
Year 4, S	emester 2	
DTB305	Interior Studio: Integration	
DTB306	Interior Systems	
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
Year 5, S	emester 1	
Year 5, S USB300	Property Development	
USB300 UXH311		
USB300	Property Development	
USB300 UXH311 UXH400	Property Development Contract Administration	
USB300 UXH311 UXH400 -1 UXH411	Property Development Contract Administration Project - Part A	
USB300 UXH311 UXH400 -1 UXH411	Property Development Contract Administration Project - Part A Programming and Scheduling	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S	Property Development Contract Administration Project - Part A Programming and Scheduling emester 2	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312	Property Development Contract Administration Project - Part A Programming and Scheduling emester 2 Construction Legislation	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400	Property Development Contract Administration Project - Part A Programming and Scheduling emester 2 Construction Legislation Construction Estimating	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester	Property Development Contract Administration Project - Part A Programming and Scheduling emester 2 Construction Legislation Construction Estimating Project - Part B Strategic Construction Management 2 (July) commencements	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation  Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2  Impact Lab 1: Place	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation  Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent:	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113 UXB111	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials  Imagine Construction Management Introduction to Structures	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113 UXB111 UXB112 Year 2, S	Property Development Contract Administration Project - Part A Programming and Scheduling emester 2 Construction Legislation Construction Estimating Project - Part B Strategic Construction Management (2 (July) commencements emester 2 Impact Lab 1: Place Create and Represent: Materials Imagine Construction Management Introduction to Structures emester 1	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113 UXB111 UXB111 UXB112 Year 2, S DTB101	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management 2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials  Imagine Construction Management Introduction to Structures emester 1  Interior Studio: Interiority	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113 UXB111 UXB112 Year 2, S	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials  Imagine Construction Management Introduction to Structures emester 1  Interior Studio: Interiority Create and Represent: Form	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113 UXB111 UXB111 UXB112 Year 2, S DTB101	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management 2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials  Imagine Construction Management Introduction to Structures emester 1  Interior Studio: Interiority	
USB300 UXH311 UXH400 -1 UXH411 Year 5, S UXH312 UXH315 UXH400 -2 UXH410 Semester Year 1, S DYB101 DYB113 UXB111 UXB111 UXB111 UXB110 UXB100 UXB110	Property Development Contract Administration  Project - Part A  Programming and Scheduling emester 2  Construction Legislation Construction Estimating  Project - Part B  Strategic Construction Management  2 (July) commencements emester 2  Impact Lab 1: Place Create and Represent: Materials Imagine Construction Management Introduction to Structures emester 1  Interior Studio: Interiority Create and Represent: Form Design-thinking for the Built	

Note: Students considering studying

overseas	in Vacua Companies 4 mount	
overseas in Year 3 Semester 1 must apply by 1 June.		
Year 2, S	emester 2	
DTB102	Interior Studio: Inhabitance	
DYB114	Spatial Histories	
UXB113	Measurement for Construction	
UXB114	Integrated Construction	
Year 3. S	emester 1	
DYB102	Impact Lab 2: People	
DYB112	Spatial Materiality	
BSB113	Economics	
LD/D / / 5	Introduction to Modern	
UXB115	Construction Business	
	emester 2	
DTB205	Design Psychology	
DYB201	Impact Lab 3: Planet	
LWS012	Urban Development Law	
UXB212	Design for Structures	
Year 4, S	emester 1	
DTB200	Interior Access and	
D16200	Assemblies	
DTB204	Interior Studio: Inclusion	
UXB210	Commercial Construction	
UXB213	Advanced Measurement for	
	Construction	
	emester 2	
DTB305	Interior Studio: Integration	
DTB306	Interior Systems	
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
Voor 5 S	emester 1	
DTB304	Design in Society	
	from the Impact Lab Unit .ist (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, S	High-rise Construction emester 2	
Year 5, S UXH312	High-rise Construction emester 2 Construction Legislation	
Year 5, S UXH312 UXH315	High-rise Construction emester 2 Construction Legislation Construction Estimating	
Year 5, S UXH312	High-rise Construction emester 2 Construction Legislation	
Year 5, S UXH312 UXH315 UXH400 -1	High-rise Construction emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction	
Year 5, S UXH312 UXH315 UXH400 -1 UXH410	High-rise Construction emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction Management	
Year 5, S UXH312 UXH315 UXH400 -1 UXH410 Year 6, S	High-rise Construction emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction Management emester 1	
Year 5, S UXH312 UXH315 UXH400 -1 UXH410 Year 6, S USB300	High-rise Construction emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction Management emester 1 Property Development	
Year 5, S UXH312 UXH315 UXH400 -1 UXH410 Year 6, S USB300 UXH311	High-rise Construction emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction Management emester 1	
Year 5, S UXH312 UXH315 UXH400 -1 UXH410 Year 6, S USB300 UXH311 UXH400	High-rise Construction emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction Management emester 1 Property Development	
Year 5, S UXH312 UXH315 UXH400 -1 UXH410 Year 6, S USB300 UXH311	High-rise Construction emester 2 Construction Legislation Construction Estimating Project - Part A Strategic Construction Management emester 1 Property Development Contract Administration	



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

#### **Semesters**

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

Code	Title	
	1 (February) commencements	
Year 1, Semester 1		
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
UXB100	Design-thinking for the Built Environment	
UXB110	Residential Construction	
Year 1, S	emester 2	
DYB113	Create and Represent: Materials	
DYB114	Spatial Histories	
UXB111	Imagine Construction Management	
UXB112	Introduction to Structures	
Note: Students considering studying overseas in Year 2 Semester 2 must apply by 1 November.		
Year 2, S	emester 1	
Year 2, S DTB101	emester 1 Interior Studio: Interiority	
DTB101	Interior Studio: Interiority Spatial Materiality Economics	
DTB101 DYB112	Interior Studio: Interiority Spatial Materiality	
DTB101 DYB112 BSB113 UXB115	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern	
DTB101 DYB112 BSB113 UXB115	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business	
DTB101 DYB112 BSB113 UXB115 Year 2, S	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2	
DTB101 DYB112 BSB113 UXB115 Year 2, S DTB102	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Interior Studio: Inhabitance	
DTB101 DYB112 BSB113 UXB115 Year 2, S DTB102 DYB102 UXB113 UXB114	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Interior Studio: Inhabitance Impact Lab 2: People Measurement for Construction Integrated Construction	
DTB101 DYB112 BSB113 UXB115 Year 2, S DTB102 DYB102 UXB113 UXB114	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Interior Studio: Inhabitance Impact Lab 2: People Measurement for Construction Integrated Construction emester 1	
DTB101 DYB112 BSB113 UXB115 Year 2, S DTB102 DYB102 UXB113 UXB114	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Interior Studio: Inhabitance Impact Lab 2: People Measurement for Construction Integrated Construction	
DTB101 DYB112 BSB113 UXB115 Year 2, S DTB102 DYB102 UXB113 UXB114 Year 3, S	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Interior Studio: Inhabitance Impact Lab 2: People Measurement for Construction Integrated Construction emester 1 Interior Access and	
DTB101 DYB112 BSB113 UXB115 Year 2, S DTB102 DYB102 UXB113 UXB114 Year 3, S DTB200	Interior Studio: Interiority Spatial Materiality Economics Introduction to Modern Construction Business emester 2 Interior Studio: Inhabitance Impact Lab 2: People Measurement for Construction Integrated Construction emester 1 Interior Access and Assemblies	

3a	chelor of L	Jrban Development (Honours) (Co		
	Year 3, Semester 2			
	DTB205	Design Psychology		
	DYB201	Impact Lab 3: Planet		
	LWS012	Urban Development Law		
	UXB212	Design for Structures		
	Year 4, S	emester 1		
	DTB304	Design in Society		
		from the Impact Lab Unit		
	Options L KKB350):	ist (DYB301, KKB341 or		
	DYB301	Impact Lab 4: Purpose		
	KKB341	Work Integrated Learning 1		
	KKB350	Creative Industries Study Tour		
	UXB211	Building Services		
	UXH310	High-rise Construction		
		emester 2		
	DTB305	Interior Studio: Integration		
	DTB306	Interior Systems		
	UXB301	Professional Practice		
	UXH300	Research Methods for the Future Built Environment		
		emester 1		
	USB300	Property Development		
	UXH311	Contract Administration		
	-1	Project - Part A		
	UXH411	Programming and Scheduling		
		emester 2		
	UXH312	Construction Legislation		
	UXH315 UXH400	Construction Estimating		
	-2	Project - Part B		
	UXH410	Strategic Construction Management		
	Semester	2 (July) commencements		
		emester 2		
	DYB101	Impact Lab 1: Place		
	DYB113	Create and Represent: Materials		
	UXB111	Imagine Construction Management		
	UXB112	Introduction to Structures		
	Year 2, S	emester 1		
	DTB101	Interior Studio: Interiority		
	DYB111	Create and Represent: Form		
	UXB100	Design-thinking for the Built Environment		
	UXB110	Residential Construction		
		dents considering studying		
	overseas apply by	in Year 3 Semester 1 must		
		emester 2		
		Interior Studio: Inhabitance		
	DYB114	Spatial Histories		
	LIVDAAO	Management for Construct		

UXB113 Measurement for Construction

UXB114 Year 3, Se	Integrated Construction	
Year 3, Se		
	emester 1	
DYB102	Impact Lab 2: People	
DYB112	Spatial Materiality	
BSB113	Economics	
UXB115	Introduction to Modern Construction Business	
Year 3, Se	emester 2	
DTB205	Design Psychology	
DYB201	Impact Lab 3: Planet	
LWS012	Urban Development Law	
UXB212	Design for Structures	
Year 4, Se	emester 1	
DTB200	Interior Access and	
DTB204	Assemblies Interior Studio: Inclusion	
	Commercial Construction	
	Advanced Measurement for	
UXB213	Construction	
Year 4, Se		
DTB305	Interior Studio: Integration	
DTB306	Interior Systems	
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
Year 5, Se	emester 1	
DTB304	Design in Society	
UXB211	Building Services	
UXH310	High-rise Construction	
	rom the Impact Lab Unit ist (DYB301, KKB341, KKB350 1):	
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
UXB301	Professional Practice	
Note: We encourage students completing ID18 Interior Architecture and Construction Management to select KKB341		
Year 5, Se	emester 2	
UXH312	Construction Legislation	
UXH315	Construction Estimating	
UXH400 -1	Project - Part A	
UXH410	Strategic Construction Management	
Year 6, Se	emester 1	
USB300	Property Development	
UXH311	Contract Administration	
UXH400 -2	Project - Part B	
UXH411	Programming and Scheduling	





Year	2021
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 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; Dr Paul Donehue (Urban Development)
Discipline Coordinator	Dr Greg Mews (Landscape Architecture); Mellini Sloan (Urban and Regional Planning) +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)

# International Entry requirements Prerequisites

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

# Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

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

### **Design component**

In order to complete the Landscape Architecture major, you must complete a total of 192 credit points of core units comprising:

- Landscape Architecture, Impact Lab, Design foundation units and Design specialisation units -192 credit points
- two units completed as part of the Urban and Regional Planning component - 24 credit points\*\*

# Urban development component

The Urban and Regional Planning major component requires completion of 288 credit points (24 units) consisting of:

72 credit points of core Urban

- Development units, including 12 cps professional practice unit and 12 cps research methods unit.
- 192 credit points of Urban and Regional Planning discipline units
- 24 credit points capstone project.

\*\*Two units are completed as part of the Urban and Regional Planning component and will contribute to the completion requirements of both courses.

### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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**

In order to complete the Landscape Architecture major, you must complete a total of 192 credit points of core units comprising:

- Landscape Architecture, Impact Lab, Design foundation units and Design specialisation units -192 credit points
- two units completed as part of the Urban and Regional Planning component - 24 credit points\*\*

# **Urban development component**

The Urban and Regional Planning major component requires completion of 288 credit points (24 units) consisting of:

- 72 credit points of core Urban Development units, including 12 cps professional practice unit and 12 cps research methods unit.
- 192 credit points of Urban and Regional Planning discipline units
- 24 credit points capstone project.

\*\*Two units are completed as part of the Urban and Regional Planning component



#### Bachelor of Design (Landscape Architecture)/Bachelor of Urban Development (Hono s) (Urban and Regional Planning)

and will contribute to the completion requirements of both courses.

## Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# Sample Structure

### **Semesters**

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

Code	Title	
Semester	1 (February) commencements	
Year 1, S	emester 1	
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
UXB131	Planning and Design Practice	
UXB132	Urban Analysis	
Year 1, S	emester 2	
DYB113	Create and Represent: Materials	
One unit from the Design Specialisation Unit Options List		
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
DYB112	Spatial Materiality	
One unit to	from the Design Specialisation ons List	

History of the Built

Environment

**UXB130** 

e)/Bachelor	of Urban Development (Honour
Year 2, S	emester 2
DLB102	Landscape Studio 2
DYB102	Impact Lab 2: People
LWS012	Urban Development Law
	Negotiation and Conflict
UXB135	Resolution
Year 3, S	emester 1
DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio
UXB231	Stakeholder Engagement
UXB233	Planning Law
Year 3, S	semester 2
DLB204	Planting Design
DYB201	Impact Lab 3: Planet
UXB230	Site Planning
UXB234	Transport Planning
Year 4. S	Semester 1
DLB301	Landscape Ecology
	from the Impact Lab Unit
	ist (DYB301, KKB341 or
DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
BSB113	Economics
UXB330	Urban Design
Year 4, S	emester 2
DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio
UXB301	Professional Practice
UXH300	Research Methods for the Future Built Environment
Year 5, S	emester 1
USB300	Property Development
UXH400 -1	Project - Part A
UXH430	Planning Theory and Ethics
UXH431	Urban Planning Practice
Year 5, S	emester 2
UXH400 -2	Project - Part B
UXH331	Environmental Planning
UXH432	Community Planning
UXH433	Regional Planning
Semeste	r 2 (July) commencements
	semester 2
DYB101	Impact Lab 1: Place
DYB113	Create and Represent: Materials
UXB133	Urban Studies
UXB134	
	semester 1

DVD444	0	
DYB111	Create and Represent: Form	
DYB112	Spatial Materiality	
UXB131	Planning and Design Practice	
UXB132	Urban Analysis	
	dents considering studying	
overseas apply by	in Year 3 Semester 1 must	
	emester 2	
	Landscape Studio 2	
	from the Design Specialisation	
Unit Option		
LWS012		
UXB135	Negotiation and Conflict Resolution	
Year 3, S	emester 1	
DLB101	Landscape Studio 1	
DYB102	Impact Lab 2: People	
One unit	from the Design Specialisation	
Unit Option		
UXB130	History of the Built Environment	
Year 3, S	emester 2	
DLB204	Planting Design	
DYB201	Impact Lab 3: Planet	
UXB230	Site Planning	
UXB234	Transport Planning	
Year 4, S	emester 1	
DLB201	Landform, Technology and Techniques	
DLB202	Landscape, People and Place Studio	
UXB231	Stakeholder Engagement	
UXB233	Planning Law	
Year 4, S	emester 2	
DLB302	Landscape Materiality and Constructs	
DLB303	Resilient Landscapes Studio	
UXB301	Professional Practice	
UXH300	Research Methods for the Future Built Environment	
Year <u>5</u> , S	emester 1	
DLB301	Landscape Ecology	
UXB330	Urban Design	
UXH400 -1	Project - Part A	
One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):		
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
UXB301	Professional Practice	
	encourage students	
completing ID18 Landscape Architecture and URP to select KKB341		
Year 5, S	emester 2	



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

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/Bachelor of Urban Development (Honours)

Year	2021
QUT code	ID18
CRICOS	096573B
Duration (full-time)	5 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,600 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,300 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
Course Coordinator	Program Director, School of Design; Dr Paul Donehue (Urban Development)

# Minimum English requirements

Students must meet the English proficiency requirements.





Year	2021
QUT code	ID19
CRICOS	096574A
Duration (full-time)	5.5 years
ATAR/Selection rank	80.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,000 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	Program Director, School of Design; Dr Jacob Coetzee (Engineering)
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 (Medial) +61731382000 askqut@qut.edu.au

# Domestic Assumed knowledge

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

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

# International Entry requirements Prerequisites

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

# International 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

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# International Course structure

In order to complete this course, you must complete a total of 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 degree with one of our worldwide exchange partners.

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in either degree area, depending on how they match with your QUT course.

# Sample Structure

#### **Semesters**

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

DYB114 | Spatial Histories

Note: Students considering studying

overseas in Year 2 Semester 2 must

**Engineering Unit** 

**Engineering Unit** 

•	I Cai	υ,	Semester	_

Code	Title		
Semester	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			

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	
	Year 3, Semester 1	
	DAB201	Architectural Design 3: Dwelling
	DAB211	Environmental Principles of Architectural Design
	Engineering Unit	

Engineering Unit
Year 3 Semester 2

**Engineering Unit** 

- 1	
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
	Building Services

**Engineering Unit** 

**Engineering Unit** 

### Year 5, Semester 1

DAB200	Modern Architecture
	Architectural Design 5: Commercial

**Engineering Unit** 

**Engineering Unit** 

### Year 5, Semester 2

**Engineering Unit** 

**Engineering Unit** 

**Engineering Unit Engineering Unit** 

# Year 6, Semester 1

DYB201 Impact Lab 3: Planet

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

DYB301 Impact Lab 4: Purpose

KKB341	Work Integrated Learning 1
KKB350	Creative Industries Study Tour
Engineering Unit	

### Semester 2 (July) commencements

# Year 1, Semester 2

**Engineering Unit** 

DYB101 Impact Lab 1: Place

Create and Represent: DYB113 Materials

**Engineering Unit** 

**Engineering Unit** 

### Year 2, Semester 1

DYB111 | Create and Represent: Form

DYB112 | Spatial Materiality

**Engineering Unit** 

**Engineering Unit** 

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

### Year 2, Semester 2

DYB102 Impact Lab 2: People

**DYB114** Spatial Histories

**Engineering Unit** 

**Engineering Unit** 

## Year 3, Semester 1

DAB101	Architectural Design	1:
DADIUI	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

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

**Engineering Unit** 

**Engineering Unit** 

# Year 4, Semester 2

DAB202 | Architectural Design 4: Metro Small Scale Building

DAB212 Construction

**Engineering Unit** 

**Engineering Unit** 

# Year 5, Semester 1

Architectural Design 5: DAB301 Commercial

DAB311 Systems and Structures

**Engineering Unit Engineering Unit** 



Buonoi	or or besign (Aronitecture)	
Year 5, S	emester 2	
DAB302	Architectural Design 6: Communities	
DAB303	Integrated Architectural Technology	
DAB312	Building Services	
One unit from the Impact Lab Unit Options List (DYB301, KKB341 or KKB350):		
DYB301	Impact Lab 4: Purpose	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
Year 6, Semester 1		
Engineering Unit		
Year 6, S	emester 2	
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

DYB114 | Spatial Histories

**Engineering Unit** 

Oodo	1100	
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	

C::		 _::
Engine	≃rına	 mi

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

**Engineering Unit** 

**Engineering Unit** 

### Year 3, Semester 2

DAB202	Architectural Design 4: Metro
--------	-------------------------------

Architectural Design

	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** 

**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** 

### Semester 2 (July) commencements

### Year 1, Semester 2

DYB101 Impact Lab 1: Place

Create and Represent: **DYB113** Materials

**Engineering Unit** 

**Engineering Unit** 

### Year 2, Semester 1

DYB111 Create and Represent: Form

DYB112 Spatial Materiality

**Engineering Unit** 

**Engineering Unit** 

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

### Year 2, Semester 2

DYB102 Impact Lab 2: People

DYB114 | Spatial Histories

**Engineering Unit** 

**Engineering Unit** 

# Year 3, Semester 1

DAB101	Architectural Design	1:
	Explorations	

DAB200 Modern Architecture

**Engineering Unit** 

**Engineering Unit** 

# Year 3, Semester 2

Architectural Design 2: **DAB102** Spaces

DYB201 Impact Lab 3: Planet

**Engineering Unit** 

**Engineering Unit** 

### Year 4, Semester 1

Cilitocturai	Design	J
welling		
	welling	cnitectural Design welling

**Environmental Principles of DAB211** Architectural Design

**Engineering Unit** 

**Engineering Unit** 

# Year 4, Semester 2

DAB202 Architectural Design 4: Metro

Small Scale Building DAB212 Construction

**Engineering Unit** 

**Engineering Unit** 

### Year 5, Semester 1

Architectural Design 5: **DAB301** Commercial



	or or boolgin (varenneotalio).	
DAB311	Systems and Structures	
Engineer	<u> </u>	
Engineer		
Year 5, S	emester 2	
DAB302	Architectural Design 6: Communities	
DAB303	Integrated Architectural Technology	
DAB312	Building Services	
One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):		
DYB301	Impact Lab 4: Purpose	
UXB301	Professional Practice	
KKB341	Work Integrated Learning 1	
KKB350	Creative Industries Study Tour	
Year 6, Semester 1		
Engineer	ing Unit	
Engineering Unit		
Engineering Unit		
Engineering Unit		
Year 6, Semester 2		
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	litie
Semester 1 (February) commencements	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
Or	

MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
ECD111	Foundation of Engineering
EGB111	Design Engineering Mechanics
rear 2 - 3	Semester 2
EGB120	Foundations of Electrical Engineering
	on Unit Option
Year 3 - 8	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - S	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - 9	Semester 1
EGB262	Process Principles
EGB361	Minerals and Minerals Processing
Voor 4	Semester 2
EGB364	Process Modelling
EGB304 EGH411	•
	Industrial Chemistry
Year 5 - 8	Semester 1
EGB362	Operations Management and Process Economics
EGH404	Research in Engineering Practice
Year 5 - 5	Semester 2
EGH400 -1	Research Project 1
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
EGH462	Process Control
	Semester 1
EGH400	Research Project 2
-2 FCH462	·
EGH463	Plant and Process Design
	2 (July) commencements
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
Or	
MXB161	Computational Explorations
	Semester 2
Teal 2 - C	Foundations of Electrical
EGB120	Foundations of Electrical

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

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



Bachelor of Design (Architecture)		
Code	Title	
Semeste	r 1 (February) commencements	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 3	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB123	Civil Engineering Systems	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport Engineering	
Year 3 - 9	Semester 2	
EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	
Year 4, S	emester 1	
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
Year 4 - 9	Semester 2	
EGB376	Steel Design	
EGH471	Advanced Water Engineering	
Year 5 - 9	Semester 1	
EGB375	Design of Concrete Structures	
EGH404	Research in Engineering Practice	
Year <u>5 -</u> 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 - 8	Semester 1	
EGH473	Advanced Geotechnical Engineering	
EGH400 -2	Research Project 2	
	r 2 (July) commencements	
	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
PVB101	Physics of the Very Large	

MZB125   MXB161 (Year 2 - See EGB123 (MZB126 EGB121	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Emester 2 Civil Engineering Systems Engineering Computation		
MZB125   MXB161 (Year 2 - See EGB123 (MZB126 EGB121	Design Introductory Engineering Mathematics Computational Explorations Emester 2 Civil Engineering Systems Engineering Computation		
MXB161 (Year 2 - See EGB123 (MZB126 EGB121 EGB121 EGB121 EGB121 EGB121 EGB123 (MZB126 EGB121	Mathematics Computational Explorations emester 2 Civil Engineering Systems Engineering Computation		
Year 2 - Se EGB123 ( MZB126 E Year 3 - Se EGB121 E	emester 2 Civil Engineering Systems Engineering Computation		
EGB123 (MZB126 EYear 3 - SeEGB121 E	Civil Engineering Systems Engineering Computation		
MZB126 E Year 3 - Se EGB121 E	Engineering Computation		
Year 3 - Se EGB121	<u> </u>		
EGB121	hmootor 1		
	Year 3 - Semester 1		
Foundation	Engineering Mechanics		
	n Unit Option		
Year 3 - Se	emester 2		
EGB273	Principles of Construction		
EGB373 (	Geotechnical Engineering		
Year 4 - Se	emester 1		
EGB270 (	Civil Engineering Materials		
F(EB)//	Traffic and Transport Engineering		
Year 4 - Se	emester 2		
EGB376	Steel Design		
	Advanced Highway and Pavement Engineering		
Year 5 - Se	emester 1		
EGB275	Structural Mechanics		
EGB375 [	Design of Concrete Structures		
Year 5 - Se	emester 2		
(No Engineering Units)			
Year 6 - Se	emester 1		
EGB371	Engineering Hydraulics		
	Research in Engineering Practice		
EGH400 -1	Research Project 1		
F(4H4/3	Advanced Geotechnical Engineering		
Year 6 - Se	emester 2		
EGH400 -2	Research Project 2		
	Advanced Water Engineering		
F(iH4/5)	Advanced Concrete Structures		
H(3H4/4)	Advances in Civil Engineering Practice		

- Year 1 Semester 1
- Year 1 Semester 2Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1 • Year 5 - Semester 2
- Year 6 Semester 1

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

Code	Title	
Semester	1 (February) commencements	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - Semester 2		
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
CAB201	Programming Principles	
EGB242	Signal Analysis	
Year 3 - Semester 2		
CAB202	Microprocessors and Digital Systems	
Intermedi	ate Electrical Option Unit	
Year 4 - 9	Semester 1	
EGB240	Electronic Design	
CAB301	Algorithms and Complexity	
Year 4 - S	Semester 2	
CAB403	Systems Programming	
EGH404	Research in Engineering Practice	
Year 5 - S	Semester 1	
CAB302	Software Development	
Advanced Computer & Software Systems Option Unit		
Year 5 - Semester 2		
EGH400 -1	Research Project 1	
CAB432	Cloud Computing	
EGH455	Advanced Systems Design	
	d Computer & Software	



Systems Option Unit

Bachel	or of Design (Architecture)
Year 6 - 8	Semester 1
EGH400 -2	Research Project 2
EGH456	Embedded Systems
Semester	2 (July) commencements
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
MZB126	Engineering Computation
	Semester 1
EGB121	Engineering Mechanics
	on Unit Option
	Semester 2
CAB201	Programming Principles
EGB242	Signal Analysis
Year 4 - S	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
	Semester 2
	Systems Programming
	ate Electrical Option Unit
Year 5 - 8	Semester 1
EGH404	Research in Engineering Practice
CAB301	Algorithms and Complexity
	Semester 2
, -	neering Units)
	Semester 1
EGH400 -1	Research Project 1
EGH456	
CAB302	Software Development
Systems	d Computer & Software Option Unit
	Semester 2
EGH400 -2	Research Project 2
	Advanced Systems Design
CAB432	Cloud Computing
	d Computer & Software Option Unit
•	

### **Semesters**

 Semester 1 (February) commencements

meior or Engineering (Florious)
<ul> <li>Year 1 - Semester 1</li> </ul>
Year 1 - Semester 2
Year 2 - Semester 1
Year 2 - Semester 2
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 - 8	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics

Year 2 - 8	Semester 2
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - 9	Semester 1

rear o - c	Jennester 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	emester 1
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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 Research Project 1  Advanced Electrical Option Unit (2)  Advanced Electrical Option Unit (3)  Advanced Electrical Option Unit (4)
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)
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 5 - Semester 2  EGH400 -1  Research Project 1  Advanced Electrical Option Unit (2)  Advanced Electrical Option Unit (3)  Advanced Electrical Option Unit (4)
EGH400 -1 Research Project 1 Advanced Electrical Option Unit (2) Advanced Electrical Option Unit (3) Advanced Electrical Option Unit (4)
Advanced Electrical Option Unit (2) Advanced Electrical Option Unit (3) Advanced Electrical Option Unit (4)
Advanced Electrical Option Unit (3) Advanced Electrical Option Unit (4)
Advanced Electrical Option Unit (4)
. , ,
Year 6 - Semester 1
Research Project 2
-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
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)
(NO Engineering Onits)
Year 6 - Semester 1
, , ,





Advanced	l Electrical Option Unit (1)
Advanced	l Electrical Option Unit (2)
	Semester 2
EGH400 -2	Research Project 2
Advanced	l Electrical Option Unit (3)
Advanced	l Electrical Option Unit (4)

#### **Semesters**

 Semester 1 (February) commencements

Advanced Electrical Option Unit (5)

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

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 8	Semester 1
Year 2 - 9 EGB111	Semester 1 Foundation of Engineering Design
	Foundation of Engineering
EGB111 EGB121	Foundation of Engineering Design
EGB111 EGB121	Foundation of Engineering Design Engineering Mechanics
EGB111 EGB121 Year 2 - S EGB120	Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical
EGB111 EGB121 Year 2 - S EGB120 Foundation	Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical Engineering
EGB111 EGB121 Year 2 - S EGB120 Foundation	Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical Engineering on Unit Option
EGB111 Year 2 - S EGB120 Foundation Year 3 - S	Foundation of Engineering Design Engineering Mechanics Semester 2 Foundations of Electrical Engineering on Unit Option Semester 1 Microprocessors and Digital

EGB242 Signal Analysis

Intermedi	ate Electrical Option Unit
Year 4 - 9	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - S	Semester 2
EGB345	
EGB346	Unmanned Aircraft Systems
Year 5 - 9	Semester 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Year 5 - 9	Semester 2
EGH400 -1	Research Project 1
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advance	d Electrical Option Unit
Year 6 - S	Semester 1
EGH400 -2	Research Project 2
Advance	d Electrical Option Unit
	r 2 (July) commencements
	Semester 2
EGB100	Engineering Sustainability and Professional Practice
D) (D ( C (	
PVB101	Physics of the Very Large
	Physics of the Very Large Semester 1
	Semester 1 Foundation of Engineering Design
Year 2 - S	Semester 1 Foundation of Engineering
Year 2 - 9 EGB111	Foundation of Engineering Design Introductory Engineering
Year 2 - S EGB111 MZB125 MXB161	Foundation of Engineering Design Introductory Engineering Mathematics
Year 2 - S EGB111 MZB125 MXB161	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical
Year 2 - S EGB111 MZB125 MXB161 Year 2 - S EGB120 MZB126	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering
Year 2 - S EGB111 MZB125 MXB161 Year 2 - S EGB120 MZB126	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation  Year 3 - S	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option Semester 2 Microprocessors and Digital
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation  Year 3 - S CAB202  EGB242	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option Semester 2 Microprocessors and Digital Systems
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation  Year 3 - S CAB202  EGB242  Year 4 - S	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option Semester 2 Microprocessors and Digital Systems Signal Analysis
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation  Year 3 - S CAB202  EGB242  Year 4 - S	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2 Foundations of Electrical Engineering Engineering Computation Gemester 1 Engineering Mechanics on Unit Option Gemester 2 Microprocessors and Digital Systems Signal Analysis Gemester 1
Year 2 - S EGB111  MZB125  MXB161 Year 2 - S EGB120  MZB126 Year 3 - S EGB121  Foundation Year 3 - S CAB202  EGB242 Year 4 - S EGB240  EGB243	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2 Foundations of Electrical Engineering Engineering Computation Gemester 1 Engineering Mechanics on Unit Option Gemester 2 Microprocessors and Digital Systems Signal Analysis Gemester 1 Electronic Design
Year 2 - S EGB111  MZB125  MXB161  Year 2 - S EGB120  MZB126  Year 3 - S EGB121  Foundation  Year 3 - S EGB242  Year 4 - S EGB240  EGB243  Year 4 - S EGB346	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Gemester 2 Foundations of Electrical Engineering Engineering Computation Gemester 1 Engineering Mechanics on Unit Option Gemester 2 Microprocessors and Digital Systems Signal Analysis Gemester 1 Electronic Design Aircraft Systems and Flight Gemester 2 Unmanned Aircraft Systems
Year 2 - SEGB111  MZB125  MXB161 Year 2 - SEGB120  MZB126 Year 3 - SEGB121  Foundation Year 3 - SEGB242 Year 4 - SEGB240 EGB243 Year 4 - SEGB346 Intermedia	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option Semester 2 Microprocessors and Digital Systems Signal Analysis Semester 1 Electronic Design Aircraft Systems and Flight Semester 2 Unmanned Aircraft Systems state Electrical Option Unit
Year 2 - SEGB111  MZB125  MXB161 Year 2 - SEGB120  MZB126 Year 3 - SEGB121  Foundation Year 3 - SEGB242 Year 4 - SEGB240 EGB243 Year 4 - SEGB346 Intermedia	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option Semester 2 Microprocessors and Digital Systems Signal Analysis Semester 1 Electronic Design Aircraft Systems and Flight Semester 2 Unmanned Aircraft Systems iate Electrical Option Unit Semester 1
Year 2 - SEGB111  MZB125  MXB161 Year 2 - SEGB120  MZB126 Year 3 - SEGB121  Foundation Year 3 - SEGB242 Year 4 - SEGB240 EGB243 Year 4 - SEGB346 Intermedia	Foundation of Engineering Design Introductory Engineering Mathematics Computational Explorations Semester 2 Foundations of Electrical Engineering Engineering Computation Semester 1 Engineering Mechanics on Unit Option Semester 2 Microprocessors and Digital Systems Signal Analysis Semester 1 Electronic Design Aircraft Systems and Flight Semester 2 Unmanned Aircraft Systems state Electrical Option Unit

EGB345 | Control and Dynamic Systems

Year 5 - S	Semester 2
(No Engir	neering Units)
Year 6 - 8	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced	d Electrical Option Unit
Year 6 - Semester 2	
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced Electrical Option Unit	
	d Electrical Option Unit

#### Semesters

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 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 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
Year 1 - 8 EGB100	Semester 2 Engineering Sustainability and Professional Practice
	Engineering Sustainability and
EGB100 MZB126	Engineering Sustainability and Professional Practice
EGB100 MZB126	Engineering Sustainability and Professional Practice Engineering Computation
EGB100 MZB126 Year 2 - S	Engineering Sustainability and Professional Practice Engineering Computation Semester 1 Foundation of Engineering



Bachel	or of	Design	(Archi	tecture)/E
EGB120		ndations oneering	of Electri	cal
Foundation	Foundation Unit Option			
Year 3 - 8	Semes	ster 1		
EGB214	Mate	rials and	Manufa	cturing
EGB314	Strer	ngth of M	aterials	
Year 3 - 9	Seme	ster 2		
EGB210	Fund Design	lamentals gn	s of Mec	hanical
EGB211	Dyna	amics		
Year 4 - 9	Seme	ster 1		
EGB321	-	amics of I		S
EGB323	Fluid	Mechan	ics	
Year 4 - 9	Seme	ster 2		
EGB322	Ther	modynan	nics	
EGH404	Rese Prac	earch in E tice	ngineer	ing
Year 5 - 9	Seme	ster 1		
EGB316	Desi	gn of Ma	chine Ele	ements
EGH414	Stres	ss Analys	is	
Year 5 - 8	Seme	ster 2		
EGH400 -1	Rese	earch Pro	ject 1	
EGH420	Mech	nanical S	ystems I	Design
EGH422	Adva	inced The	ermodyn	amics
EGH423	Fluid	s Dynam	ics	
Year 6 - S	Semes	ster 1		
EGH400 -2	Rese	earch Pro	ject 2	
EGH421	Vibra	ation and	Control	
Semeste	r 2 (Ju	ıly) comm	nenceme	ents
Year 1 - 9	Semes	ster 2		
EGB100		neering S essional F		bility and
PVB101	Phys	ics of the	Very La	arge
Year 2 - 9	Semes	ster 1		
EGB111	Four Design	ndation of gn	Engine	ering
MZB125		ductory E ematics	ingineer	ing
MXB161		putationa	l Explor	ations
Year 2 - 9	Seme	ster 2		
EGB120		ndations on neering	of Electri	cal
MZB126	Engi	neering (	Computa	tion
Year 3 - 9	Semes	ster 1		
EGB121	Engi	neering N	/lechanic	cs
Foundation	on Un	it Option		
Year 3 - 9	Semes	ster 2		
EGB211	Dyna	amics		
EGB314	Strer	ngth of M	aterials	
Year 4 - 9				
EGB214	Mate	rials and	Manufa	cturing
EGB323	Fluid	Mechan	ics	
Year 4 - 9	Semes	ster 2		

icneior o	r Engineering (⊓onours)
EGB210	Fundamentals of Mechanical Design
EGB322	Thermodynamics
Year 5 - 8	Semester 1
EGB321	Dynamics of Machines
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 2
(No Engir	neering Units)
Year 6 - 8	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH421	Vibration and Control
Year 6 - 8	Semester 2
EGH400 -2	Research Project 2
EGH420	Mechanical Systems Design
EGH422	Advanced Thermodynamics
EGH423	Fluids Dynamics
	ers nester 1 (February)

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

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

MZB126 Engineering Computation

V 0 6	
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
	on Unit Option
Year 3 - 9	Semester 1
EGB211	,
EGB242	Signal Analysis
Year 3 - 9	Semester 2
CAB202	Microprocessors and Digital Systems
	Control and Dynamic Systems
	Semester 1
EGB220	Mechatronics Design 1
EGB321	Dynamics of Machines
	Semester 2
EGB320	3
	ate Electrical Option Unit
Year 5 - 9	Semester 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Year 5 - 8	Semester 2
EGH400 -1	Research Project 1
EGH413	Advanced Dynamics
EGH445	Modern Control
Advanced	d Electrical Option Unit
Year 6 - 8	Semester 1
EGH400 -2	Research Project 2
EGH419	Mechatronics Design 3
Semester	2 (July) commencements
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
Or	
MXB161	Computational Explorations
Year 2 - 5	Semester 2
EGB120	Foundations of Electrical Engineering
MZB126	Engineering Computation
Year 3 - 5	Semester 1
EGB121	Engineering Mechanics
Foundation	on Unit Option
Year 3 - 8	Semester 2



	o. o o o	
CAB202	Microprocessors and Digital Systems	
EGB242	Signal Analysis	
Year 4 - 9	Semester 1	
EGB211	Dynamics	
EGB220	Mechatronics Design 1	
Year 4 - S	Semester 2	
EGB320	Mechatronics Design 2	
EGB345	Control and Dynamic Systems	
Year 5 - S	Semester 1	
EGB321	Dynamics of Machines	
Intermedi	ate Electrical Option Unit	
Year 5 - 9	Semester 2	
(No Engir	neering Units)	
Year 6 - 8	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**

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

Code	Title		
Semester	Semester 1 (February) commencements		
Year 1 - 8	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		

acneior o	f Engineering (Honours)
OR	
MXB161	Computational Explorations
	Semester 2
	Engineering Sustainability and
EGB100	Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
	Semester 1
LQB187	Human Anatomy
	replaces LSB131 from 2021
onwards	1 22 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
EGB314	Strength of Materials
Year 3 - 5	Semester 2
LSB231	Physiology
	Fundamentals of Mechanical
EGB210	Design
Year 4 - 8	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - 5	Semester 2
EGB211	Dynamics
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB319	BioDesign
EGH414	Stress Analysis
Year 5 - 8	Semester 2
EGH400	Decearch Project 1
-1	Research Project 1
EGH424	Biofluids
EGH435	Modelling and Simulation for Medical Engineers
EGH418	Biomechanics
Year 6 - 5	Semester 1
EGH400 -2	Research Project 2
EGH438	Biomaterials
Semester	r 2 (July) commencements
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
PVB101	Physics of the Very Large
	Semester 1
EGB111	Foundation of Engineering Design
MZB125	Introductory Engineering Mathematics
MVD464	
MXB161	Computational Explorations

Year 2 - 9	Semester 2	
	Foundations of Electrical	
EGB120	Engineering	
MZB126	<b>Engineering Computation</b>	
Year 3 - 8	Semester 1	
EGB121	Engineering Mechanics	
	on Unit Option	
Year 3 - 8	Semester 2	
EGB211	Dynamics	
LSB231	Physiology	
Year 4 - S	Semester 1	
EGB323	Fluid Mechanics	
LQB187	Human Anatomy	
	eplaces LSB131 from 2021	
onwards		
Year 4 - S	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGB314	Strength of Materials	
Year 5 - 8	Semester 1	
EGB319	BioDesign	
EGH414	Stress Analysis	
Year 5 - 8	Semester 2	
(No Engir	neering Units)	
Year 6 - 8	Semester 1	
EGH400 -1	Research Project 1	
EGB214	Materials and Manufacturing	
EGH404	Research in Engineering Practice	
EGH438	Biomaterials	
Year 6 - Semester 2		
EGH400 -2	Research Project 2	
EGH418	Biomechanics	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	
	Modelling and Simulation for	





Year	2021
QUT code	IX59
CRICOS	084925D
Duration (full-time)	5 years
ATAR/Selection rank	76.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$10,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,300 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; or Dr Jacob Coetzee (Engineering)
Discipline Coordinator	+61 7 3138 2050; +61 7 3138 2000 bus@qut.edu.au; askqut@qut.edu.au

# Domestic Assumed knowledge

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

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

## International Subject prerequisites

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

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

# Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

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 units to allow them to complete professional requirements.

## International Course structure

To graduate with a Bachelor of Engineering (Honours) in IX59, students are required to complete 288 credit points of course units, as outlined below:

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

Honours units to consist of:

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

To complete the Bachelor of Business students will complete 192 credit points of course units, as outlined below:

- eight Business School core units (96 credit points) \*
- eight major core units (96 credit points)

\*Accounting major students complete six business core units and 10 accountancy major units to allow them to complete professional requirements.

### **Sample Structure** Semesters

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

Code	Title	
Semester 1 (February) commencements		
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - Semester 2		
EGB100	Engineering Sustainability and Professional Practice	



<sup>\*</sup>Accounting major students complete six business core units and 10

Bachel	or of Business/Bachelor of	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
EGB261	Unit Operations	
EGB323	Fluid Mechanics	
Year 3 - 8	Semester 2	
CVB101	General Chemistry	
EGB322	Thermodynamics	
Year 4 - S	Semester 1	
EGB262	Process Principles	
EGB362	Operations Management and Process Economics	
Year 4 - 9	Semester 2	
EGB364	Process Modelling	
EGH411	Industrial Chemistry	
Year 5 - 8	Semester 1	
EGB361	Minerals and Minerals Processing	
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	
0		

### **Semesters**

- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1 Year 2 Semester 2
- 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	Tille
Semester 1 (February) commencer		1 (February) commencements
	Year 1 - Semester 1	
	EGB113	Energy in Engineering Systems
	MZB125	Introductory Engineering Mathematics
	OR	

ingineerin	g (Horiours)
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB123	Civil Engineering Systems
Foundation	on Unit Option
Year 3 - 5	Semester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - 5	Semester 2
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, S	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - 9	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - S	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - 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	litie
Semester	1 (February) commencements

EGB113 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 Research Project 1  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 Research Project 2  EGH405 Advanced Systems Design  Advanced Computer & Software Systems Option Unit	Year 1 - 9	Semester 1	
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 Practice  Year 5 - Semester 1  EGH400 Research in Engineering Practice  Year 5 - Semester 1  EGH400 Research Project 1  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 Research Project 2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit			
Mathematics OR  MXB161	EGDTTS	•	
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   Research Project 1  CAB302   Software Development EGH456   Embedded Systems Advanced Computer & Software Systems Option Unit Year 5 - Semester 2  EGH400   Research Project 2  EGH455   Advanced Systems Design Advanced Computer & Software Systems Option Unit	MZB125		
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 Practice  Year 5 - Semester 1  EGH400 Research in Engineering Practice  Year 5 - Semester 2  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit	OP	Mathematics	
Ferrimental 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 Practice  Year 5 - Semester 1  EGH400 Research in Engineering Practice  Year 5 - Semester 1  EGH400 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit		Computational Explorations	
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 Practice  Year 5 - Semester 1  EGH400 Research in Engineering Practice  Year 5 - Semester 1  EGH400 Research Project 1  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 Research Project 2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit	Year 1 - 9	-	
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 Practice  Year 5 - Semester 1  EGH400 Research in Engineering Practice  Year 5 - Semester 1  EGH400 Research Project 1  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit	ECR100	Engineering Sustainability and	
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 Practice  Year 5 - Semester 1  EGH400 Research in Engineering Practice  Year 5 - Semester 1  EGH400 Research Project 1  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software  Systems Option Unit  Year 5 - Semester 2  EGH400 Research Project 2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software  Systems Option Unit			
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 CAB302 Software Development EGH456 Embedded Systems Advanced Computer & Software Systems Option Unit Year 5 - Semester 2 EGH400 -2 EGH455 Advanced Systems Design Advanced Computer & Software Systems Option Unit			
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  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 -2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit	Year 2 - S		
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  CAB302 Software Development EGH456 Embedded Systems Advanced Computer & Software Systems Option Unit Year 5 - Semester 2  EGH400 -2  EGH400 Research Project 2  EGH400 Research Project 2  EGH455 Advanced Systems Design Advanced Computer & Software Systems Option Unit	EGB111	g g	
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 CAB302 Software Development EGH456 Embedded Systems Advanced Computer & Software Systems Option Unit Year 5 - Semester 2 EGH400 -2 EGH455 Advanced Systems Design Advanced Computer & Software Systems Option Unit	EGB121	•	
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 Research Project 1  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit	Year 2 - S	Semester 2	
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 Research Project 1  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit	ECD400	Foundations of Electrical	
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 CAB302 Software Development EGH456 Embedded Systems Advanced Computer & Software Systems Option Unit Year 5 - Semester 2 EGH400 -2 EGH455 Advanced Systems Design Advanced Computer & Software Systems Option Unit		-	
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 CAB302 Software Development EGH456 Embedded Systems Advanced Computer & Software Systems Option Unit Year 5 - Semester 2 EGH400 -2 EGH455 Advanced Systems Design Advanced Computer & Software Systems Option Unit		·	
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  CAB302 Software Development EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit Year 5 - Semester 2  EGH400 -2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit			
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 Research Project 1  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit	CAB201	Programming Principles	
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 Research Project 1 CAB302 Software Development EGH456 Embedded Systems Advanced Computer & Software Systems Option Unit Year 5 - Semester 2 EGH400 Research Project 2 EGH455 Advanced Systems Design Advanced Computer & Software Systems Option Unit	EGB242	Signal Analysis	
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 Research Project 1 CAB302 Software Development EGH456 Embedded Systems Advanced Computer & Software Systems Option Unit Year 5 - Semester 2 EGH400 Research Project 2 EGH455 Advanced Systems Design Advanced Computer & Software Systems Option Unit	Year 3 - S	Semester 2	
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 Research Project 1  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit	CAB202		
EGB240 Electronic Design CAB301 Algorithms and Complexity Year 4 - Semester 2 CAB403 Systems Programming EGH404 Research in Engineering Practice Year 5 - Semester 1 EGH400 Research Project 1 CAB302 Software Development EGH456 Embedded Systems Advanced Computer & Software Systems Option Unit Year 5 - Semester 2 EGH400 Research Project 2 EGH455 Advanced Systems Design Advanced Computer & Software Systems Option Unit	Intermedi	ate Electrical Option Unit	
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	Year 4 - S	Semester 1	
Year 4 - Semester 2 CAB403 Systems Programming  EGH404 Research in Engineering Practice  Year 5 - Semester 1  EGH400 Research Project 1  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit	EGB240	Electronic Design	
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	CAB301	Algorithms and Complexity	
Research in Engineering Practice  Year 5 - Semester 1  EGH400 -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	Year 4 - 9	Semester 2	
Year 5 - Semester 1  EGH400 -1  CAB302 Software Development  EGH456 Embedded Systems  Advanced Computer & Software Systems Option Unit  Year 5 - Semester 2  EGH400 -2  EGH455 Advanced Systems Design  Advanced Computer & Software Systems Option Unit	CAB403	Systems Programming	
EGH400 -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	EGH404	•	
EGH400 -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	Year 5 - S	Semester 1	
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	EGH400		
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	CAB302	Software Development	
Systems Option Unit  Year 5 - Semester 2  EGH400 -2  Research Project 2  EGH455 Advanced Systems Design  Advanced Computer & Software  Systems Option Unit	EGH456	·	
EGH400 -2 Research Project 2 EGH455 Advanced Systems Design Advanced Computer & Software Systems Option Unit	Advanced Computer & Software		
EGH400 -2 Research Project 2 EGH455 Advanced Systems Design Advanced Computer & Software Systems Option Unit	Year 5 - 8	Semester 2	
EGH455 Advanced Systems Design Advanced Computer & Software Systems Option Unit	EGH400		
Advanced Computer & Software Systems Option Unit		Advanced Systems Design	
-			
	-	Cloud Computing	

### **Semesters**

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



- Year 4 Semester 2
- Year 5 Semester 1

	<u>5 - Semester 2</u>
Code	Title
Semester	1 (February) commencements
	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
CAB202	Microprocessors and Digital Systems
EGB120	Foundations of Electrical Engineering
Year 3 - S	Semester 1
EGB240	Electronic Design
EGB241	Electromagnetics and Machines
Year 3 - S	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit (1)
requisite v	can be selected from the list. A waiver for this unit will be you are enrolled in EGB242 at
the same	
	Semester 1
	Design and Practice
	on Unit Option
	Semester 2
	ate Electrical Option Unit (2)
	ate Electrical Option Unit (3)
	Semester 1
EGH400 -1	Research Project 1
- 1	
EGH404	Research in Engineering Practice
EGH404	
EGH404 Advanced	Practice
EGH404 Advanced Advanced	Practice Electrical Option Unit (1)
EGH404 Advanced Advanced	Practice I Electrical Option Unit (1) I Electrical Option Unit (2)
EGH404 Advanced Advanced Year 5 - S EGH400 -2	Practice d Electrical Option Unit (1) d Electrical Option Unit (2) Gemester 2
EGH404 Advanced Advanced Year 5 - S EGH400 -2 Advanced	Practice I Electrical Option Unit (1) I Electrical Option Unit (2) Semester 2 Research Project 2

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

Code	Title
	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - S	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - S	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit
	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - S	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
Year 5 - S	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced	l Electrical Option Unit

**Advanced Unmanned Aircraft** EGH450 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
	LODITO	Systems

MZB125	Introductory Engineering
IVIZD 123	Mathematics

MXB161 Computational Explorations

### Year 1 - Semester 2

	ECR100	Engineering Sustainability and
	EGD 100	Professional Practice

MZB126 Engineering Computation

### Year 2 - Semester 1

EGB111	Foundation of Engineering
LODIII	Design

EGB121 Engineering Mechanics

### Year 2 - Semester 2

Foundations of Electrical EGB120 Engineering

**Foundation Unit Option** 

### Year 3 - Semester 1

EGB214 Materials and Manufacturing

EGB314 Strength of Materials

### Year 3 - Semester 2

EGB210	Fundamentals of Mechanical Design

EGB211 Dynamics

#### Year 4 - Semester 1

EGB321 Dynamics of Machines

EGB323 Fluid Mechanics

### Year 4 - 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

EGH445 Modern Control

Research Project 2

EGH400

-2

Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH420	Mechanical Systems Design	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	

#### **Semesters**

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

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

EGH404 Research in Engineering

	Practice
EGH419	Mechatronics Design 3
EGH445	Modern Control
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
Advanced	Mechanical Option Unit
EGH446	Autonomous Systems
Advanced	l 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 - 8	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - S	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 9	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 9	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 9	Semester 1		
EGB314	Strength of Materials		
LQB187	Human Anatomy		
	replaces LSB131 from 2021		
onwards			
	Semester 2		
EGB211	Dynamics		
LSB231	Physiology		
Year 4 - 8	Year 4 - Semester 1		
EGB214	Materials and Manufacturing		
EGB323	Fluid Mechanics		
Year 4 - 9	Semester 2		
EGB210	Fundamentals of Mechanical Design		

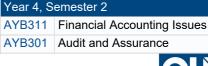
EGH404	Research in Engineering Practice	
Year 5 - Semester 1		
EGB319	BioDesign	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH418	Biomechanics	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	
EGH438	Biomaterials	
LOI 1400	Diomatchais	

#### **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	
Cada	Title	

Year 4, Semester 2	
Code	Title
Year 1, S	emester 1
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, S	emester 2
BSB111	Business Law and Ethics
BSB110	Accounting
BSB110	ncy students undertake and BSB111 as the Core nits to ensure professional tion.
Year 2, S	emester 1
BSB106	Dynamic Markets
BSB105	The Future Enterprise
Year 2, S	emester 2
AYB225	Management Accounting
AYB200	Financial Accounting
Year 3, S	emester 1
AYB221	Accounting Systems and Analytics
EFB210	Finance 1
Year 3, S	emester 2
AYB230	Corporations Law
AYB219	Taxation Law
Year 4, S	emester 1
AYB321	Strategic Management



Accounting AYB340 Company Accounting

AYB321

#### **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
- Core Options Units List:

Code	Title	
Year 1, Semester 1		
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, Semester 2		
DCD407	Financial Performance and	

Responsibility Select a unit from the Core Options Unit

AMB200	Consumer Behaviour
AMB201	Marketing and Audience Analytics

### Year 2, Semester 2

Year 2, Semester 1

**BSB107** 

AMB220	Advertising Works
BSB108	<b>Business Environment</b>

#### Year 3, Semester 1

AMB319	Consumers and Media Channels
BSB250	Business Citizenship

#### Year 3, Semester 2

AMB318 Create Advertising

Select a unit from the Core Options Unit

### Year 4, Semester 1

AMB320	Advertising Management
AMB330	Digital Optimisation

#### Year 4, Semester 2

AMB339	Advertising Campaigns
	Real World Ready - Business Capstone

### Core Options Units List:

Select two units (24 credit points) from	1
the following:	

	· ·
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

"Select a unit from the Economics Options List or the Core Options Unit List" is repeated 5 times in this course progression. Please note that there are

two (2) core options units and three (3) Economics Option Units in this pool. This has been done to give flexibility of choice as to when option units from the two groupsmay be undertaken.

#### **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
- **Core Options Units**
- Economics Options List

	·	
Code	Title	
Year 1, Semester 1		
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, Semester 2		
BSB108	Business Environment	
BSB107	Financial Performance and Responsibility	

### Year 2, Semester 1

EFB222	Introduction to Applied
	Econometrics

Select a unit from the Core Options Unit List or The Economics Options List

\*Students undertake EFB222 as one of the Economics Options Units.

### Year 2, Semester 2

EFB223   Economics	2
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Select a unit from the Core Options Unit List or The Economics Options List

### Year 3, Semester 1

**EFB331** Intermediate Microeconomics Select a unit from the Core Options Unit List or The Economics Options List

### Year 3, Semester 2

BSB250	Business Citizenship
Select a u	unit from the Core Options

s Unit List or The Economics Options List

### Year 4, Semester 1

BSB399	Real World Ready - Business Capstone
EFB330	Intermediate Macroeconomics

#### Year 4, Semester 2

	Contemporary Application of
LI DOOO	Economic Theory

Select a unit from the Core Options Unit List or The Economics Options List

#### Core Options Units

Select two units (24 credit points) from the following:

BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business

	Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills
Economic	cs Options List

Select four units (48 credit points) from the Quantitative and/or Applied **Economics Units List:** Introduction to Applied **EFB222 Econometrics** Applied Behavioural **EFB332 Economics EFB333** Applied Econometrics Game Theory and **EFB337** Applications

EFB201 **Financial Markets** Economics for the Real World **EFB225 Environmental Economics and EFB226** Policy EFB336 International Economics

#### **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
- Core Options Units

Code	Title
Year 1, S	emester 1
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Voor 1 C	omostor 2

**BSB108** Business Environment

Select a unit from the Core Options Unit List

### Year 2, Semester 1

BSB105 The Future Enterprise

EFB210 Finance 1

### Year 2, Semester 2

EFB201 Financial Markets

Select a unit from the Core Options Unit list

### Year 3, Semester 1

EFB343 | Corporate Finance EFB335 Investments

#### Year 3, Semester 2

BSB250 Business Citizenship EFB312 International Finance

### Year 4, Semester 1

Real World Ready - Business **BSB399** Capstone



EFB223	Economics 2
Year 4, S	emester 2
EFB360	Finance Capstone
EFB344	Risk Management and Derivatives
Core Opt	ions Units
Select two	o units (24 credit points) from ing:
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB111	Business Law and Ethics
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

Semesters	S	e	m	es	ste	rs
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- Year 1, Semester 1 Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1 Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2

Title

Core Options Units List

0000	1100
Year 1, S	emester 1
BSB107	Financial Performance and Responsibility
BSB108	Business Environment
Year 1, S	emester 2
BSB105	The Future Enterprise
BSB106	Dynamic Markets
Year 2, S	emester 1
BSB111	Business Law and Ethics
Select a	unit frm the Core Options List
undertake Core Opt	ancial Planning students BSB111 as one of the two ions Units for professional tion purposes
Year 2, S	emester 2
AYB219	Taxation Law
EFB210	Finance 1
Year 3, S	emester 1
AYB250	Personal Financial Planning
BSB250	Business Citizenship
Year 3, S	emester 2
AYB232	Financial Services Regulation and Law
AYB240	Superannuation and Retirement Planning
Year 4, S	emester 1
	Ingurance Bick Management
EFB227	Insurance, Risk Management and Estate Planning
EFB227 EFB345	,

	Client Relationships
Year 4, S	emester 2
AYB346	Financial Plan Construction (Capstone)
BSB399	Real World Ready - Business Capstone
Core Opti	ions Units List
BSB111 a	Planning students select and one other (12 credit points) Core Options Units List
BSB111	Business Law and Ethics
BSB130	Social Enterprises
BSB131	Applied Business Analytics
BSB305	Undergraduate Business Internship
BSB110	Accounting
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills

### **Semesters**

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

Code	Title
Year 1, S	emester 1
BSB105	The Future Enterprise
BSB108	Business Environment
Year 1, S	emester 2
BSB106	Dynamic Markets
BSB107	Financial Performance and Responsibility
Year 2, S	emester 1
MGB21 4	Introducing People Management and Analytics
MGB20 0	Managing People
Year 2, S	emester 2
MGB22 9	Obligations and Options for Employing People
Select a u	unit from the Core Options Unit
Voor 2 C	amaatan 1

Year 3, S	emester 1
BSB250	Business Citizenship
MGB23 0	Recruiting and Selecting People
Year 3, S	emester 2
MGB33	Developing People
MGB33 9	Managing Performance and Rewards
Year 4, Semester 1	

BSB399	Real World Ready - Business Capstone
Select on the follow	e unit (12 credit points) from ring:
MGB31 0	Managing Sustainable Change
MGB33 8	Workplace Learning
MGB30 6	Independent Study
Year 4, S	emester 2
MGB37 2	Creating Value through People
Select a u	unit from the Core Options Unit
Core Unit	Options List
Salact two	
	o units (24 credit points) from Options Unit List:
	,
the Core	Options Unit List:
the Core BSB130	Options Unit List: Social Enterprises
the Core BSB130 BSB131	Options Unit List: Social Enterprises Applied Business Analytics Undergraduate Business
the Core BSB130 BSB131 BSB305	Options Unit List: Social Enterprises Applied Business Analytics Undergraduate Business Internship

### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units

Code	Title
Year 1, S	emester 1
BSB106	Dynamic Markets
BSB108	Business Environment
Year 1, S	emester 2
BSB105	The Future Enterprise
BSB107	Financial Performance and Responsibility
V 0 0	1 1

### Year 2, Semester 1

AMB210 Importing and Exporting Select a unit frm the Core Options List

### Year 2, Semester 2

Intercultural Communication and Negotiation Skills

Select a unit from the Core Options Unit

### Year 3, Semester 1

AYB227 International Accounting BSB250 Business Citizenship

Year 3, Semester 2



EFB240	Finance for International Business
MGB34 0	International Business in the Asia-Pacific
Year 4, S	emester 1
AMB303	International Logistics
AMB336	International Marketing
Year 4, S	emester 2
AMB369	International Business Strategy
BSB399	Real World Ready - Business Capstone
Core Opt	ions Units
	o units (24 credit points) from
Select two	o units (24 credit points) from
Select two	o units (24 credit points) from ing:
Select two the follow BSB130	o units (24 credit points) from ing: Social Enterprises
Select two the follow BSB130 BSB131	o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business
Select two the follow BSB130 BSB131 BSB305	o units (24 credit points) from ing: Social Enterprises Applied Business Analytics Undergraduate Business Internship

### **Semesters**

MGB21

0

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Core Options Units List

Oore Options Office List		
Code	Title	
Year 1, Semester 1		
BSB105	The Future Enterprise	
BSB108	Business Environment	
Year 1, Semester 2		
BSB106	Dynamic Markets	
BSB107	Financial Performance and Responsibility	
Year 2, Semester 1		
MGB22 5	Intercultural Communication and Negotiation Skills	
MGB20 0	Managing People	
Year 2, S	emester 2	
MGB22 6	Innovation, Knowledge and Creativity	
Select a unit from the Core Options Unit list		
Year 3, Semester 1		
BSB250	Business Citizenship	
Select one of the following:		

**Managing Operations** 

MGB22 7	Entrepreneurship	
Students undertaking the Management stream must complete MGB210. Students undertaking the Entrepreneurship stream must complete MGB227.		
Year 3, S	emester 2	
	unit from the Core Options Unit	
Select on	e of the following:	
MGB33 5	Managing Projects	
MGB32 4	Managing Business Growth	
Students undertaking the Management stream must complete MGB335. Students undertaking the Entrepreneurship stream must complete MGB324.		
Year 4, Semester 1		
MGB34 1	Managing Risk	
BSB399	Real World Ready - Business Capstone	
Year 4, Semester 2		
MGB30		
9	Managing Strategically	
	Managing Strategically e of the following:	
Select on	e of the following:  Managing Sustainable	
Select on MGB31 0 MGB33 8	e of the following:  Managing Sustainable Change	
Select on MGB31 0 MGB33 8 Core Opt	e of the following:  Managing Sustainable Change  Workplace Learning ions Units List o units (24 credit points) from	
Select on MGB31 0 MGB33 8 Core Opt Select tw	e of the following:  Managing Sustainable Change  Workplace Learning ions Units List o units (24 credit points) from	
Select on MGB31 0 MGB33 8 Core Opt Select tw the follow	e of the following:  Managing Sustainable Change  Workplace Learning ions Units List o units (24 credit points) from ring:	

0	Change	
MGB33 8	Workplace Learning	
Core Options Units List		
Select two units (24 credit points) from the following:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and Enterprise Skills	

### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- Core Options Units List

	Code	Title
	Year 1, Semester 1	
BSB106 Dynamic Markets		
	BSB105	The Future Enterprise

Year 1, Semester 2		
BSB107	Financial Performance and Responsibility	
Select a unit from the Core Options Unit List		
Year 2, S	emester 1	
BSB108	Business Environment	
Select a u	ınit from the Core Options List	
Year 2, S	emester 2	
AMB200	Consumer Behaviour	
AMB240	Marketing Planning and Management	
Year 3, S	emester 1	
AMB202	Integrated Marketing Communication	
AMB201	Marketing and Audience Analytics	
Year 3, S	emester 2	
BSB250	Business Citizenship	
AMB330	Digital Optimisation	
Year 4, S	emester 1	
AMB340	Services Marketing	
AMB336	International Marketing	
Year 4, S	emester 2	
BSB399	Real World Ready - Business Capstone	
AMB359	Strategic Marketing	
Core Opti	ons Units List	
Select two	o units (24 credit points) from ing:	
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and	

### **Semesters**

• Year 1, Semester 1

Enterprise Skills

- Year 1, Semester 2
- Year 2, Semester 1
  Year 2, Semester 2
  Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Core Options Units List

Code	Title	
Year 1, Semester 1		
BSB106	Dynamic Markets	
BSB105	The Future Enterprise	
Year 1, Semester 2		
BSB108	Business Environment	
BSB107	Financial Performance and Responsibility	



	emester 1	
AMB264	Media Relations and Publicity	
AMB263	Introduction to Public Relations	
Year 2, S	emester 2	
AMB201	Marketing and Audience Analytics	
AMB372	Public Relations Planning	
Year 3, S	emester 1	
BSB250	Business Citizenship	
AMB374	Global Public Relations Cases	
Year 3, S	emester 2	
AMB375	Internal Communication and Change	
Select a unit from the Core Options Unit List		
Year 4, S	emester 1	
BSB399	Real World Ready - Business Capstone	
AMB373	Issues, Stakeholders and Reputation	
Year 4, S	emester 2	
AMB379	Public Relations Campaigns	
Select a unit from the Core Options Unit		
Core Opt	ions Units List	
Select two	o units (24 credit points) from	
the following:		
BSB130	Social Enterprises	
BSB131	Applied Business Analytics	
BSB305	Undergraduate Business Internship	
BSB110	Accounting	
BSB111	Business Law and Ethics	
BSB009	Experiential Learning: Innovation, Ideas and	

Enterprise Skills





Year	2021
QUT code	SE05
CRICOS	0102144
Duration (full-time)	5 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Paul Donehue (Urban Development majors); Dr Graham Johnson (Science majors)
Discipline Coordinator	Mellini Sloan (Urban and Regional Planning); Dr Andrew Baker (Environmental Science) +61 7 3138 2000 askqut@qut.edu.au

## **Domestic Entry requirements QUT year 12 early offer scheme**

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12
Early Offer Scheme

## Domestic Assumed knowledge

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

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

# International Subject prerequisites

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

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

# Minimum English requirements

Students must meet the English proficiency requirements.

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

### **Domestic Course structure**

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



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

• Year 1, Semester	2
<ul> <li>Year 2, Semester</li> </ul>	1
<ul> <li>Year 2, Semester</li> </ul>	2
<ul> <li>Year 3, Semester</li> </ul>	1
<ul> <li>Year 3, Semester</li> </ul>	2
<ul> <li>Year 4, Semester</li> </ul>	1

Year 4, Semester 2Year 5, Semester 1Year 5, Semester 2

Code	Title
Semester	1 (February) commencement
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

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
Voor 2 Samostar 2	

rear 3, Serriester 2	
BVB204	Ecology
EVB302	Environmental Pollution
UXB230	Site Planning
UXB234	Transport Planning
Vear / Semester 1	

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





Year	2021
QUT code	SE40
CRICOS	084922G
Duration (full-time)	5 years
ATAR/Selection rank	87.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$6,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,700 per year full-time (96 credit points)
Total credit points	480
Start months	February
Int. Start Months	February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Professor Tim Moroney (Mathematics)
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 Pascal Buenzli (Applied and Computational Mathematics); Dr Paul Wu (Operations Research; and Statistics) +61 7 3138 2000 askqut@qut.edu.au

# Domestic Assumed knowledge

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

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

## International 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**

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

## 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 2Year 4 Semester 1
- Year 4 Semester 2

Teal 4 Demester 2		
Code	Title	
Applied and Computational Mathematics Major unit set:		
Year 1 Se	emester 1	
MXB102	Abstract Mathematical Reasoning	
MXB106	Linear Algebra	
Year 1 Semester 2		
MXB105	Calculus and Differential Equations	
MXB161	Computational Explorations	
Year 2 Semester 1		
MXB101	Probability and Stochastic Modelling 1	
Maths Core Options Unit		
Year 2 Semester 2		
MXB103	Introductory Computational	



Mathematics

MXB107	Introduction to Statistical Modelling	
Year 3 Se	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	
MANDAGE	Calculus and Differential

MXB105 Equations Maths Core Options Unit

Please note: SE40 students will do MXB161 as part of their Engineering Maths units.

### Year 2 Semester 1

Probability and Stochastic MXB101 Modellina 1

Maths Core Options Unit

#### Year 2 Semester 2

Introductory Computational MXB103 Mathematics Introduction to Statistical **MXB107** Modelling

Year 3 Semester 1

MXB201 Advanced Linear Algebra Introduction to Operations MXB232 Research

Year 3 Semester 2

MXB202 Advanced Calculus MXB241 Probability and Stochastic

Modelling 2 Year 4 Semester 1

MXB332 Optimisation Modelling MXB341 Statistical Inference

Year 4 Semester 2

Operations Research for **MXB334** Stochastic Processes

Work Integrated Learning in **MXB338** Operations Research

#### **Semesters**

- Statistical Science Major unit set:
- Year 1 Semester 1
- Year 1 Semester 2
- 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:		
V1 O1		

Abstract Mathematical MXB102 Reasoning

MXB106 Linear Algebra

#### Year 1 Semester 2

Calculus and Differential MXB105 Equations

Maths Core Options Unit

Please note: SE40 students will do MXB161 as part of their Engineering Maths units.

### Year 2 Semester 1

Probability and Stochastic Modelling 1

Maths Core Options Unit

### Year 2 Semester 2

**Introductory Computational** MXB103 Mathematics Introduction to Statistical MXB107 Modelling

### Year 3 Semester 1

MXB201 Advanced Linear Algebra MXB242 Regression and Design

### Year 3 Semester 2

MXB202 Advanced Calculus

Probability and Stochastic MXB241 Modelling 2

### Year 4 Semester 1

MXB341 Statistical Inference

MXB344 Generalised Linear Models

### Year 4 Semester 2

MXB343 Modelling Dependent Data Work Integrated Learning in MXB348 **Statistics** 

#### **Semesters**

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

<ul><li>Year 4 - Semester 1</li><li>Year 4 - Semester 2</li></ul>		
Year 5 - Semester 1		
• Yea	r 5 - Semester 2	
Code	Title	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 8	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 5	Semester 1	
EGB261	Unit Operations	
EGB323	Fluid Mechanics	
Year 3 - 5	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		

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

**EGB362** 

**EGH400** 

**EGH404** 

-1

Operations Management and

Process Economics

Research Project 1

Practice

Research in Engineering



#### **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

•	<u>Year</u>	5 -	Semester	2

Code	Title	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB123	Civil Engineering Systems	
Foundation	on Unit Option	
Year 3 - S	Semester 1	
EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport Engineering	
Year 3 - 5	Semester 2	
EGB273	Principles of Construction	
EGB373	Geotechnical Engineering	
Year 4, S	emester 1	
EGB275	Structural Mechanics	
EGB371	Engineering Hydraulics	
Year 4 - 5	Semester 2	
EGB376	Steel Design	
EGH471	Advanced Water Engineering	
Year 5 - S	Semester 1	
EGB375	Design of Concrete Structures	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH473	Advanced Geotechnical Engineering	
Year 5 - 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

**Energy in Engineering** EGB113

Systems

MXB161 | Computational Explorations

### Year 1 - Semester 2

Engineering Sustainability and EGB100 Professional Practice

MZB126 Engineering Computation

### Year 2 - Semester 1

Foundation of Engineering **EGB111** Design

EGB121 Engineering Mechanics

#### Year 2 - Semester 2

Foundations of Electrical Engineering

Foundation Unit Option

#### Year 3 - Semester 1

CAB201 Programming Principles

EGB242 Signal Analysis

#### Year 3 - Semester 2

Microprocessors and Digital CAB202 Systems

Intermediate Electrical Option Unit

### Year 4 - Semester 1

EGB240 Electronic Design

CAB301 Algorithms and Complexity

#### Year 4 - Semester 2

CAB403 | Systems Programming

Research in Engineering EGH404

Practice

### Year 5 - Semester 1

-1	Research Project 1

CAB302 | Software Development

EGH456 Embedded Systems

Advanced Computer and Software Systems Option Unit

### Year 5 - Semester 2

ECH400

-2	Research Project 2
EGH455	Advanced Systems Design
CAB/32	Cloud Computing

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

<ul> <li>Year 5 - Semester 2</li> </ul>
-----------------------------------------

#### Code Title

#### Year 1 - Semester 1

**Energy in Engineering EGB113** 

Systems

MXB161 | Computational Explorations

### Year 1 - Semester 2

Engineering Sustainability and **EGB100** Professional Practice

MZB126 Engineering Computation

### Year 2 - Semester 1

Foundation of Engineering **EGB111** Design

EGB121 Engineering Mechanics

### Year 2 - Semester 2

Microprocessors and Digital **CAB202** Systems

Foundations of Electrical EGB120

Engineering

### Year 3 - Semester 1

EGB240 Electronic Design

Electromagnetics and **EGB241** 

Machines

### Year 3 - Semester 2

EGB242 Signal Analysis

Intermediate Electrical Option Unit (1)

EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time.

#### Year 4 - Semester 1

EGB340 Design and Practice

Foundation Unit Option

### Year 4 - Semester 2

Intermediate Electrical Option Unit (2)

Intermediate Electrical Option Unit (3)

#### Year 5 - Semester 1 CH400

-1	Research Project 1
EGH404	Research in Engineering

Practice Advanced Electrical Option Unit (1)

Advanced Electrical Option Unit (2)

### Year 5 - Semester 2

EGH400

Research Project 2 -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 2Year 5 Semester 1
- Year 5 Semester 2

Code	Title	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - 8	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 8	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB240	Electronic Design	
Year 3 - 3	Semester 2	
EGB242	Signal Analysis	
Intermedi	ate Electrical Option Unit	
Year 4 - 8	Semester 1	
EGB243	Aircraft Systems and Flight	
EGB349	Systems Engineering and Design Project	
Year 4 - 9	Semester 2	
EGB345	Control and Dynamic Systems	
EGB346	Unmanned Aircraft Systems	
Year 5 - Semester 1		
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH446	Autonomous Systems	
Advanced Electrical Option Unit		
Year 5 - 8	Semester 2	
EGH400 -2	Research Project 2	
EGH445	Modern Control	
EGH450	Advanced Unmanned Aircraft Systems	

Advanced Electrical Option Unit

#### **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	

Energy in Engineering EGB113

Systems

MXB161 | Computational Explorations

Year 1 - Semester 2

Engineering Sustainability and EGB100 Professional Practice

MZB126 Engineering Computation

Year 2 - Semester 1

Foundation of Engineering **EGB111** Design

**EGB121** Engineering Mechanics

Year 2 - Semester 2

Foundations of Electrical Engineering

Foundation Unit Option

Year 3 - Semester 1

EGB214 Materials and Manufacturing

EGB314 Strength of Materials

Year 3 - Semester 2

Fundamentals of Mechanical **EGB210** Design

EGB211 Dynamics

Year 4 - Semester 1

EGB321 Dynamics of Machines

EGB323 Fluid Mechanics

Year 4 - Semester 2

EGB322 | Thermodynamics

Research in Engineering EGH404

Practice

Year 5 - Semester 1

EGB316 Design of Machine Elements **EGH400** Research Project 1 -1

EGH414 Stress Analysis

EGH421 Vibration and Control

Year 5 - Semester 2

**EGH400** 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 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 8	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 8	Semester 1	
EGB211	Dynamics	
EGB242	Signal Analysis	
Year 3 - 5	Semester 2	
CAB202	Microprocessors and Digital Systems	
EGB345	Control and Dynamic Systems	
Year 4 - 9	Semester 1	
EGB220	Mechatronics Design 1	
EGB321	Dynamics of Machines	
Year 4 - 9	Semester 2	
EGB320	Mechatronics Design 2	
Intermedi	ate Electrical Option Unit	
Year 5 - 8	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH419	Mechatronics Design 3	
EGH446	Autonomous Systems	
Year 5 - 5	Semester 2	
EGH400 -2	Research Project 2	
EGH413	Advanced Dynamics	
EGH445	Modern Control	
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

• <u>16a</u>	1 3 - Semester 2	
Code	Title	
Year 1 - S	Semester 1	
EGB113	Energy in Engineering Systems	
MXB161	Computational Explorations	
Year 1 - 3	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation	on Unit Option	
Year 3 - 8	Semester 1	
EGB314	Strength of Materials	
LQB187	Human Anatomy	
	replaces LSB131 from 2021	
onwards		
	Semester 2	
EGB211	Dynamics	
LSB231	Physiology	
	Semester 1	
EGB214	Materials and Manufacturing	
EGB323	Fluid Mechanics	
Year 4 - S	Semester 2	
EGB210	Fundamentals of Mechanical Design	
EGH404	Research in Engineering Practice	
Year 5 - Semester 1		
EGB319	BioDesign	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH418	Biomechanics	
Year 5 - S	Semester 2	
EGH400 -2	Research Project 2	
EGH424	Biofluids	
EGH435	Modelling and Simulation for Medical Engineers	
EGH438	Biomaterials	





Year	2021
QUT code	SE60
CRICOS	084923F
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,100 per year full-time (96 credit points)
International fee (indicative)	2021: \$36,800 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Wayne Kelly (Information Technology)
Discipline Coordinator	Dr Thomas Rainey (Chemical Process), Associate Professor Jonathan Bunker (Civil); Dr 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) +61 7 3138 2000 askqut@qut.edu.au

# Domestic Assumed knowledge

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

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

## International Subject prerequisites

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

## Minimum English requirements

Students must meet the English proficiency requirements.

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

#### **Domestic Course structure**

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

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

Honours units to consist of:

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

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

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

## International Course structure

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

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

Honours units to consist of:

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

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

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

## Sample Structure 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 1Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 1
  Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
  Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- Computer Science Major Unit Options

Code Title
Semester 1 (February) commencements



### )/Bachelor of Information Technology

Bachelor of Engineering (Honours)			
Year 1, Semester 1			
IFB102	Introduction to Computer Systems		
IFB103	IT Systems Design		
Year 1, S	Semester 2		
IFB104	Building IT Systems		
IFB105	Database Management		
	Semester 1		
For Engineering students majoring in: Civil, Mechanical, Medical or Process/Chemical Process major -			
	Jnit Option		
	Jnit Option		
Electrical Mechatro	neering students majoring in: , Electrical & Aerospace or onics major -		
	Jnit Option		
CAB201	3 3 1		
	Semester 2		
Civil, Med	neering students majoring in: chanical, Medical or Chemical Process major -		
CAB201	Programming Principles		
CAB202	Microprocessors and Digital Systems		
(Note: Select CAB202 from the Computer Science Major Option list - this is compulsory in the IT component if majoring in these engineering majors.)			
Electrical	For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -		
IT Core U	Jnit Option		
Compute	r Science Major Unit Option 1		
in the end	AB202 will be available as core gineering component if majoring engineering majors.)		
Year 3, S	Semester 1		
CAB203	Discrete Structures		
CAB302	Software Development		
Year 3, S	Semester 2		
CAB303	Networks		
IFB295	IT Project Management		
Year 4, S	Semester 1		
CAB301	Algorithms and Complexity		
IFB398	Capstone Project (Phase 1)		
Year 4, S	cemester 2 Capstone Project (Phase 2)		
	r Science Major Unit Option 2		
-	r 2 (July) commencements		
	Semester 2		
IFB102	Introduction to Computer Systems		
IFB103	IT Systems Design		
Year 2, S	Semester 1		
IFB104	Building IT Systems		

IFB105	Database Management	
Year 2, 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 -Microprocessors and Digital CAB202

Systems

For Engineering students majoring in: Electrical, Electrical & Aerospace or Mechatronics major -

Computer Science Major Unit Option 1

rear 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

Computer Science Major Unit Option 2

### Year 5, Semester 1

IFB399 Capstone Project (Phase 2) Computer Science Major Unit Option 2

IT Core Unit Option

(Select IT Core Unit Option here, if not selected previously.)

#### Computer Science Major Unit Options

Microprocessors and Digital CAB202 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**

- Semester 1 (February) commencements
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- Computer Science Major Unit Ontions

<u>Ориона</u>		
Code	Title	
Semester 1 (February) commencements		
Year 1, Semester 1		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	
Year 1, Semester 2		
IFB104	Building IT Systems	
IFB105	Database Management	
Year 2, Semester 1		
IT 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 IT Project Management Year 4, Semester 1

#### CAB301 | Algorithms and Complexity IFB398 Capstone Project (Phase 1)

### Year 4, Semester 2

Capstone Project (Phase 2) IFB399 Computer Science Major Unit Option 3

Semester 2 (July) commencements

Year 1, Semester 2



### Bachelor of Information Technology

Bachel	or of Engineering (Honours
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
Year 2, S	emester 1
IFB104	Building IT Systems
IFB105	Database Management
Year 2, S	emester 2
Compute	r Science Major Unit Option 1
IT Core U	Jnit Option
Year 3, S	emester 1
CAB203	Discrete Structures
Compute	r Science Major Unit Option 2
Year 3, S	emester 2
CAB303	Networks
IFB295	IT Project Management
Year 4, S	emester 1
	Algorithms and Complexity
CAB302	Software Development
Year 4, S	emester 2
IFB398	Capstone Project (Phase 1)
IT Core U	Jnit Option
OR	
Compute	r Science Major Unit Option 3
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2)
Compute	r Science Major Unit Option 3
OR	
	Jnit Option
	Core Unit Option here, if not
	previously.)
	r Science Major Unit Options
	01 and CAB202 are core to mputer Software Systems
	E60MJR-CSSECS students will
undertak	e two extra Computer Science
	tion units in place of CAB201
and CAB	
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

CAB432 Cloud Computing

CAB441 Network Security

Integration CAB431 Search Engine Technology

**CAB430** 

**CAB440** 

Data and Information

Network and Systems

Administration

### **Semesters**

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

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

Year 2, Semester 1			
• Year 2, Semester 2			
<ul><li>Year 3, Semester 1</li><li>Year 3, Semester 2</li></ul>			
	• Year 4, Semester 1		
	r 4, Semester 2		
• <u>Yea</u>	r 5, Semester 1		
Code	Title		
	1 (February) commencements		
Year 1, S	emester 1		
IFB102	Introduction to Computer Systems		
IFB103	IT Systems Design		
Year 1, S	emester 2		
IFB104	Building IT Systems		
IFB105	Database Management		
Year 2, S	emester 1		
	Init Option		
IT Core U	Init Option		
Year 2, S	emester 2		
CAB201	Programming Principles		
CAB202	Microprocessors and Digital Systems		
Year 3, Semester 1			
CAB203	Discrete Structures		
CAB302	Software Development		
Year 3, S	emester 2		
CAB303	Networks		
IFB295	IT Project Management		
Year 4, S	emester 1		
CAB301	Algorithms and Complexity		
IFB398	Capstone Project (Phase 1)		
Year 4, S	emester 2		
IFB399	Capstone Project (Phase 2)		
Select one of:			
CAB401	High Performance and Parallel Computing		
CAB402	Programming Paradigms		
CAB403	Systems Programming		
CAB420	Machine Learning		
Semester	<sup>-</sup> 2 (July) commencements		

Year 2, S	omostor 1	
IFB104	Building IT Systems	
IFB105	Database Management	
	emester 2	
CAB201	Programming Principles	
IT Core U	Init Option	
Year 3, S	emester 1	
CAB202	Microprocessors and Digital Systems	
CAB301	Algorithms and Complexity	
Year 3, S	emester 2	
CAB303	Networks	
IFB295	IT Project Management	
Year 4, S	emester 1	
CAB203	Discrete Structures	
CAB302	Software Development	
Year 4, S	emester 2	
IFB398	Capstone Project (Phase 1)	
Select ON	NE of:	
CAB401	High Performance and Parallel Computing	
CAB403	Systems Programming	
OR IT Co	re Unit Option	
Year 5, S	emester 1	
IFB399	Capstone Project (Phase 2)	
Select 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 2Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2 Year 4, Semester 1
- Year 4, Semester 2
- Semester 2 (July) commencements
- Year 1, Semester 2
- Year 2, Semester 1Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4. Semester 2

	1001	, 00	110000	_
•	Year 5	, Se	mester	1

0040	1100	
Semester 1 (February) commencements		
Year 1, Semester 1		
IFB102	Introduction to Computer Systems	
IFB103	IT Systems Design	

Year 1, Semester 2

Code Title



Year 1, Semester 2

Systems

IFB102

IFB103

Introduction to Computer

IT Systems Design

### )/Bachelor of Information Technology

Bache	lor of Engineering (Honours
IFB104	Building IT Systems
IFB105	Database Management
Year 2. S	Semester 1
	Jnit Option
	Jnit Option
	Semester 2
	Modelling Techniques for
IAB201	Information Systems
IAB207	Rapid Web Application Development
Year 3, S	Semester 1
IAB203	Business Process Modelling
IAB204	Business Requirements Analysis
Year 3, S	Semester 2
IAB305	Information Systems Lifecycle Management
IFB295	IT Project Management
Year 4, S	Semester 1
IFB398	Capstone Project (Phase 1)
Select or	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting
Year 4, S	Semester 2
IAB401	Enterprise Architecture
IFB399	Capstone Project (Phase 2)
Semeste	er 2 (July) commencements
	Semester 2
IFB102	Introduction to Computer Systems
IFB103	IT Systems Design
	Semester 1
IFB104	Building IT Systems
IFB105	Database Management
	Semester 2
IAB201	Modelling Techniques for
IT Coro !	Information Systems  Jnit Option
	·
Tear 3, 3	Semester 1 Business Requirements
IAB204	Analysis
IAB207	Rapid Web Application Development
Year 3, S	Semester 2
IAB305	Information Systems Lifecycle Management
IT Core I	Jnit Option
Year 4, S	Semester 1
IAB203	Business Process Modelling

IFB295	IT Project Management
Year 4, S	emester 2
IAB401	Enterprise Architecture
IFB398	Capstone Project (Phase 1)
Year 5, S	emester 1
IFB399	Capstone Project (Phase 2)
Select ONE of:	
IAB206	Modern Data Management
IAB260	Social Technologies
IAB303	Data Analytics for Business Insight
IAB320	Business Process Improvement
IAB402	Information Systems Consulting

#### **Semesters**

Code

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

Title

Semester 1 (February) commencements			
Year 1 - Semester 1			
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 8	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 8	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 9	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 8	Year 3 - Semester 1		
EGB261	Unit Operations		
EGB323	Fluid Mechanics		
Year 3 - 9	Semester 2		
CVB101	General Chemistry		
EGB322	Thermodynamics		
Year 4 - Semester 1			

EGB262 Process Principles

EGB362	Operations Management and Process Economics
Year 4 - 8	Semester 2
EGB364	Process Modelling
EGH411	Industrial Chemistry
Year 5 - 8	Semester 1
EGB361	Minerals and Minerals Processing
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH463	Plant and Process Design
Year 5 - 8	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 2Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4, Semester 1
- Year 4 Semester 2 • Year 5 - Semester 1
- Year 5 Semester 2

- Tear o - Germester 2		
Code	Title	
Semester	1 (February) commencements	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
OR		
MXB161	Computational Explorations	
Year 1 - 9	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - 9	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - 9	Semester 2	
EGB123	Civil Engineering Systems	
Foundation	on Unit Option	
Year 3 - 9	Semester 1	
EGB270	Civil Engineering Materials	
EGB272	Traffic and Transport	



Year 3 - Semester 2

Engineering



EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, S	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - 9	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - S	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete Structures
EGH479	Advances in Civil Engineering Practice

#### **Semesters**

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

Code	Title
Semester	1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 8	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 8	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering

Foundation Unit Option	
Year 3 - Semester 1	
CAB202	Microprocessors and Digital Systems
EGB242	Signal Analysis
Year 3 - S	Semester 2
CAB201	Programming Principles
Intermediate Electrical Option Unit	
Year 4 - S	Semester 1
EGB240	Electronic Design
Intermedi	ate Software Option Unit
For students with Computer Science Major: CAB301 and CAB302 are core to the Computer Science Major. Please contact Science and Engineering Faculty to be provided a list of additional units you can select from.	
Year 4 - 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	

ECH456 Emboddod Systoms

	EGH456	Embedded Systems
	Year 5 - Semester 2	
	EGH400 -2	Research Project 2
	EGH455	Advanced Systems Design
	Advanced	l 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

Year 1 - Semester 2

Code	Title
Semester 1 (February) commencement	
Year 1 - Semester 1	
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations

Engineering Sustainability and EGB100 Professional Practice

MZB126 Engineering Computation

### Year 2 - Semester 1

Foundation of Engineering EGB111 Design

EGB121 **Engineering Mechanics** 

### Year 2 - Semester 2

Microprocessors and Digital **CAB202** Systems

Foundations of Electrical EGB120 Engineering

#### Year 3 - Semester 1

EGB240 Electronic Design Electromagnetics and **EGB241** Machines

### Year 3 - Semester 2

EGB242 | Signal Analysis

Intermediate Electrical Option Unit (1)

EGB348 can be selected from the list. A requisite waiver for this unit will be granted if you are enrolled in EGB242 at the same time.

#### Year 4 - Semester 1

EGB340 Design and Practice

Foundation Unit Option

### Year 4 - Semester 2

Intermediate Electrical Option Unit (2)

Intermediate Electrical Option Unit (3)

### Year 5 - Semester 1

EGH400 Research Project 1 -1

Research in Engineering EGH404 Practice

Advanced Electrical Option Unit (1) Advanced Electrical Option Unit (2)

### Year 5 - Semester 2

EGH400 Research Project 2 -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





Dacriei	or or Engineening (Honour
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
CAB202	Microprocessors and Digital Systems
EGB240	Electronic Design
Year 3 - 9	Semester 2
EGB242	Signal Analysis
Intermedi	ate Electrical Option Unit
Year 4 - 9	Semester 1
EGB243	Aircraft Systems and Flight
EGB349	Systems Engineering and Design Project
Year 4 - 9	Semester 2
EGB345	Control and Dynamic Systems
EGB346	Unmanned Aircraft Systems
	Semester 1
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH446	Autonomous Systems
Advanced	d Electrical Option Unit
Year 5 - 8	Semester 2
EGH400 -2	Research Project 2
EGH445	Modern Control
EGH450	Advanced Unmanned Aircraft Systems
Advanced	d Electrical Option Unit
Samastara	

### **Semesters**

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

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

• <u>Yea</u>	r 5 - Semester 2
Code	Title
	r 1 (February) commencements
Year 1 - 9	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - 9	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
EGB214	Materials and Manufacturing
EGB314	<u> </u>
Year 3 - 3	Semester 2
EGB210	Fundamentals of Mechanical Design
EGB211	Dynamics
Year 4 - 9	Semester 1
EGB321	- <b>,</b>
EGB323	
	Semester 2
EGB322	Thermodynamics
EGH404	Research in Engineering Practice
Year 5 - 9	Semester 1
EGB316	Design of Machine Elements
EGH400 -1	Research Project 1
EGH414	,
EGH421	Vibration and Control
	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 1Year 2 Semester 2
- Year 3 Semester 1

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

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

### **Semesters**

• Semester 1 (February) commencements

**Advanced Mechanical Option Unit** 

EGH446 Autonomous Systems

Advanced Electrical Option Unit

• Year 1 - Semester 1



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

· <u>ICa</u>	1 5 - Semester Z
Code	Title
Semester	r 1 (February) commencements
	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB314	Strength of Materials
LQB187	Human Anatomy
LQB187 i	replaces LSB131 from 2021
Year 3 - 8	Semester 2
EGB211	Dynamics
LSB231	Physiology
Year 4 - 5	Semester 1
EGB214	Materials and Manufacturing
EGB323	Fluid Mechanics
Year 4 - S	Semester 2
EGB210	Fundamentals of Mechanical Design
EGH404	Research in Engineering Practice
Year 5 - 8	Semester 1
EGB319	BioDesign
EGH400 -1	Research Project 1
EGH414	Stress Analysis
EGH418	Biomechanics
Year 5 - 5	Semester 2
EGH400 -2	Research Project 2
EGH424	Biofluids
EGH435	Modelling and Simulation for

	Medical Engineers	
EGH438	Biomaterials	





Year	2021
QUT code	SE80
CRICOS	084924E
Duration (full-time)	5 years
ATAR/Selection rank	75.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$7,200 per year full-time (96 credit points)
International fee (indicative)	2021: \$38,700 per year full-time (96 credit points)
Total credit points	480
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Dr Jacob Coetzee (Engineering); Dr Graham Johnson (Science)
Discipline Coordinator	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); Aspro Luis Alvarez (Mechatronics); Aspro 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) +61 7 3138 2000 askqut@qut.edu.au

### **Domestic Assumed** knowledge

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

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

### International 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.

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

### **Domestic Course structure**

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

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

Honours units to consist of:

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

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units\* selected from an approved list.
- 10 units (120 credit points) of Major core units.

### International Course structure

To graduate with a Bachelor of Engineering (Honours) in SE80, students are required to complete 288 credit points of course units, as outlined below:

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

Honours units to consist of:

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

To graduate with a Bachelor of Science in SE80, students are required to complete 192 credit points of course units, as outlined below:

- 6 units (72 credit points) of science core units, which includes 2 units (24 credit points) of option units\* selected from an approved list.
- 10 units (120 credit points) of Major core units.

### Sample Structure Semesters

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

	Code	Title
	Semester	1 (February) commencements
	Year 1 Se	emester 1
	SEB104	Grand Challenges in Science
SEB113 Quantitative Methods in Science Year 1 Semester 2 Science Core Unit Option		•••••
		Core Unit Option

Year 2 Semester 1

SEB115 | Experimental Science 1



### s)/Bachelor of Science

Bachel	or of Engineering (Honours
SEB116	Experimental Science 2
Year 2 So	emester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3 S	emester 1
BVB202	Experimental Design and
	Quantitative Methods
BVB301	Animal Biology
	emester 2
BVB201	Biological Processes
BVB204	Ecology
	emester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
	emester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Semeste	r 2 (July) commencements
Year 1, S	Semester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	Semester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
	Semester 2
BVB101	Foundations of Biology
BVB102	Evolution
Year 3, S	Semester 1
BVB202	Experimental Design and Quantitative Methods
BVB301	Animal Biology
Year 3, S	Semester 2
BVB201	Biological Processes
BVB204	Ecology
Year 4, S	Semester 1
BVB203	Plant Biology
BVB305	Microbiology and the Environment
Year 4, S	Semester 2
BVB304	Integrative Biology
BVB313	Population Genetics and Molecular Ecology
Year 5, S	Semester 1
Science (	Core Unit Option
Science I	Major Unit Option

### **Semesters**

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

<ul> <li>Year 1 Semester 2</li> </ul>					
	• \	V≏ar :	1 22	maeta	r 🤈

- 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	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

	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

CVBSH	Organic Chemistry: Strategies for Synthesis
CV/D202	Annied Dhysical Chamistms

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		
SEBIIS	Science		

### Year 2, Semester

SEB115	Experimental Science 1
SEB116	Experimental Science 2

### Year 2, Semester 2

CVB101	General Chemistry
CVB102	Chemical Structure and

	Reactivity		
Year 3, S	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**

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

Oodo	1140
Semester 1 (February) commencements	
Year 1 Semester 1	
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
	4

### Year 1 Semester 2

Code Title

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	<b>Evolving Earth</b>

### Year 3 Semester 1

LDR901	Destructive Earth: Natural
ERD201	Hazards

ERB202 Marine Geoscience



### rs)/Bachelor of Science

Bachel	or of Engineering (Honour
Year 3 Se	emester 2
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
Year 4 Se	emester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4 Se	emester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
Semeste	r 2 (July) commencements
Year 1, S	Semester 2
SEB104	Grand Challenges in Science
SEB113	Quantitative Methods in Science
Year 2, S	Semester 1
SEB115	Experimental Science 1
SEB116	Experimental Science 2
Year 2, S	Semester 2
ERB101	Earth Systems
ERB102	Evolving Earth
Year 3, S	Semester 1
ERB201	Destructive Earth: Natural Hazards
ERB202	Marine Geoscience
Year 3, S	semester 2
ERB203	Sedimentary Geology and Stratigraphy
ERB204	Deforming Earth: Fundamentals of Structural Geology
	semester 1
ERB301	Chemical Earth
ERB302	Applied Geophysics
Year 4, S	Semester 2
ERB303	Energy Resources and Basin Analysis
ERB304	Dynamic Earth: Plate Tectonics
	Semester 1
	Core Unit Option
Science Major Unit Option	
Semeste • Sem	ers nester 1 (February)

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

Year 2 Semester 2

Year 3 Semester 1

Year 3 Semester 2

BVB204 Ecology

Year 4 Semester 1

Year 4 Semester 2

**EVB102** 

**BVB202** 

**EVB203** 

ERB101 Earth Systems

SEB115 Experimental Science 1

SEB116 | Experimental Science 2

Environment

Science

**EVB302** Environmental Pollution

**BVB311** Conservation Biology EVB312 Soils and the Environment

Ecosystems and the

Experimental Design and

Quantitative Methods

Geospatial Information

Tear o, ocinester i		
<ul> <li>Year 3, Semester 2</li> </ul>		
Year 4, Semester 1		
• Yea	r 4, Semester 2	
	r 5, Semester 1	
Code	Title	
Semester 1 (February) commencements		
Year 1 Semester 1		
SEB104	Grand Challenges in Science	
SEB113	Quantitative Methods in Science	
Year 1 Semester 2		
Science Core Unit Option		
Science Major Unit Option		

#### **Semesters**

**EVB304** 

Year 3, Semester 2

EVB302 Environmental Pollution

BVB311 Conservation Biology EVB312 Soils and the Environment

ERB310 Groundwater Systems Case Studies in

**Environmental Science** 

BVB204 Ecology

Year 4, Semester 1

Year 4, Semester 2

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

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

cements

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

<ul><li>Year 4, Semester 2</li><li>Year 5, Semester 1</li></ul>		
Code	Title	
Semester	1 (February) commencements	
Year 1 Se	emester 1	
SEB113	Quantitative Methods in Science	
SEB115	Experimental Science 1	
Year 1 Se	emester 2	
SEB104	Grand Challenges in Science	
PVB102	Physics of the Very Small	
Year 2 Se	emester 1	
PVB203	Experimental Physics	
SEB116	Experimental Science 2	
Year 2 Se	emester 2	

### Science Core Unit Option Year 3 Semester 1

Introduction to Climate **PQB360** Change

Computational and

Mathematical Physics

PVB210 Stellar Astrophysics

Year 3 Semester 2

PVB204 Electromagnetism

		Year 1 S
ERB310	Groundwater Systems	
EVB304	Case Studies in	SEB113
	Environmental Science	SEB115
Semester	2 (July) commencements	Year 1 S
Year 1, S	emester 2	
SEB104	Grand Challenges in Science	SEB104
SEB113	Quantitative Methods in	PVB102
SEDIIS	Science	Year 2 S
Year 2, S	emester 1	PVB203
SEB115	Experimental Science 1	SEB116
SEB116	Experimental Science 2	Year 2 S
Year 2, S	emester 2	PVB200
ERB101	Earth Systems	0-:
EVB102	Ecosystems and the	Science
EVD102	Environment	Year 3 S
Year 3, Semester 1 PQB360		
BVB202	Experimental Design and	D\/D040
DVDZUZ	Quantitative Methods	PVB210
EVB203	Geospatial Information	Year 3 S
L V D Z U 3	Science	PVB204



Dacriei	or or Engineering (Honous	
PVB220	Cosmology	
Year 4 Se	emester 1	
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4 Se	emester 2	
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	
Semester	2 (July) commencements	
Year 1, S	emester 2	
PVB102	Physics of the Very Small	
SEB104	Grand Challenges in Science	
Year 2, S	emester 1	
SEB115	Experimental Science 1	
SEB116	Experimental Science 2	
Year 2, S	emester 2	
PVB200	Computational and Mathematical Physics	
SEB113	Quantitative Methods in Science	
Year 3, S	emester 1	
PVB203	Experimental Physics	
PVB210	Stellar Astrophysics	
Year 3, S	emester 2	
PVB204	Electromagnetism	
PVB220	Cosmology	
Year 4, S	emester 1	
PVB301	Materials and Thermal Physics	
PVB302	Classical and Quantum Physics	
Year 4, S	emester 2	
PVB303	Nuclear and Particle Physics	
PVB304	Physics Research	
Year 5, S	emester 1	
PQB360	Introduction to Climate Change	
Science (	Core Unit Option	

Sem	est	tei	rs
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- Semester 1 (February) commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2 Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2 Year 5 Semester 1
- Year 5 Semester 2

	Code	Title
Semester 1 (February) commence		1 (February) commencement
Year 1 - Semester 1		Semester 1
	EGB113	Energy in Engineering Systems

MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - 9	Semester 2
EGB100	Engineering Sustainability an Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - S	Semester 2
EGB120	Foundations of Electrical Engineering
Foundation	on Unit Option
Year 3 - 9	Semester 1
EGB261	Unit Operations
EGB323	Fluid Mechanics
Year 3 - S	Semester 2
CVB101	General Chemistry
EGB322	Thermodynamics
Year 4 - 9	Semester 1
EGB262	Process Principles
	Minerals and Minerals
EGB361	Processing
	Processing
Year 4 - S	Processing Semester 2
Year 4 - 5 EGB364 EGH411	Processing Semester 2 Process Modelling
Year 4 - 5 EGB364 EGH411	Processing Semester 2 Process Modelling Industrial Chemistry Semester 1
Year 4 - 5 EGB364 EGH411 Year 5 - 5	Processing Semester 2 Process Modelling Industrial Chemistry Semester 1 Operations Management and
Year 4 - S EGB364 EGH411 Year 5 - S EGB362 EGH400	Processing Semester 2 Process Modelling Industrial Chemistry Semester 1 Operations Management and Process Economics
Year 4 - S EGB364 EGH411 Year 5 - S EGB362 EGH400 -1 EGH404	Processing Semester 2 Process Modelling Industrial Chemistry Semester 1 Operations Management and Process Economics Research Project 1 Research in Engineering Practice Plant and Process Design
Year 4 - S EGB364 EGH411 Year 5 - S EGB362 EGH400 -1 EGH404	Processing Semester 2 Process Modelling Industrial Chemistry Semester 1 Operations Management and Process Economics Research Project 1 Research in Engineering Practice
Year 4 - S EGB364 EGH411 Year 5 - S EGB362 EGH400 -1 EGH404	Processing Semester 2 Process Modelling Industrial Chemistry Semester 1 Operations Management and Process Economics Research Project 1 Research in Engineering Practice Plant and Process Design
Year 4 - S EGB364 EGH411 Year 5 - S EGB362 EGH400 -1 EGH404 EGH463 Year 5 - S EGH400	Processing Semester 2 Process Modelling Industrial Chemistry Semester 1 Operations Management and Process Economics Research Project 1 Research in Engineering Practice Plant and Process Design Semester 2
Year 4 - S EGB364 EGH411 Year 5 - S EGB362 EGH400 -1 EGH404 EGH463 Year 5 - S EGH400 -2	Processing Semester 2 Process Modelling Industrial Chemistry Semester 1 Operations Management and Process Economics Research Project 1 Research in Engineering Practice Plant and Process Design Semester 2 Research Project 2

### **Semesters**

- Semester 1 (February) commencements

- Year 2 Semester 2
- Year 3 Semester 1

- Year 4 Semester 2
- Year 5 Semester 2

Code	Title
Semester	1 (February) commencements
Year 1 - S	Semester 1
EGB113	Energy in Engineering Systems
MZB125	Introductory Engineering Mathematics
OR	
MXB161	Computational Explorations
Year 1 - S	Semester 2
EGB100	Engineering Sustainability and Professional Practice
MZB126	Engineering Computation
Year 2 - S	Semester 1
EGB111	Foundation of Engineering Design
EGB121	Engineering Mechanics
Year 2 - 9	Semester 2
EGB123	Civil Engineering Systems
Foundation	on Unit Option
Year 3 - 8	Semester 1
EGB270	Civil Engineering Materials
EGB272	Traffic and Transport Engineering
Year 3 - 8	Semester 2
EGB273	Principles of Construction
EGB373	Geotechnical Engineering
Year 4, S	emester 1
EGB275	Structural Mechanics
EGB371	Engineering Hydraulics
Year 4 - 9	Semester 2
EGB376	Steel Design
EGH471	Advanced Water Engineering
Year 5 - 8	Semester 1
EGB375	Design of Concrete Structures
EGH400 -1	Research Project 1
EGH404	Research in Engineering Practice
EGH473	Advanced Geotechnical Engineering
Year 5 - S	Semester 2
EGH400 -2	Research Project 2
EGH472	Advanced Highway and Pavement Engineering
EGH475	Advanced Concrete

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

### **Semesters**

EGH479

• Semester 1 (February) commencements

Structures

Practice

Advances in Civil Engineering

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



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

<ul> <li>Year 5 - Semester 2</li> </ul>			
Code Title			
Semeste	r 1 (February) commencements		
	Semester 1		
EGB113	Energy in Engineering Systems		
MZB125	Introductory Engineering Mathematics		
OR			
MXB161	Computational Explorations		
Year 1 - 9	Semester 2		
EGB100	Engineering Sustainability and Professional Practice		
MZB126	Engineering Computation		
Year 2 - 9	Semester 1		
EGB111	Foundation of Engineering Design		
EGB121	Engineering Mechanics		
Year 2 - 3	Semester 2		
EGB120	Foundations of Electrical Engineering		
Foundation	on Unit Option		
Year 3 - 3	Semester 1		
CAB201	Programming Principles		
EGB242	Signal Analysis		
Year 3 - 9	Semester 2		
CAB202	Microprocessors and Digital Systems		
Intermed	iate Electrical Option Unit		
Year 4 - 9	Semester 1		
EGB240	Electronic Design		
CAB301	3 - 1 7		
Year 4 - 9	Semester 2		
CAB403	Systems Programming		
EGH404	Research in Engineering Practice		
	Semester 1		
EGH400 -1	Research Project 1		
CAB302	Software Development		
EGH456	Embedded Systems		
	d Computer & Software Option Unit		
Year 5 - 3	Semester 2		
EGH400 -2	Research Project 2		
EGH455	Advanced Systems Design		
	d Computer & Software		

Advanced Computer & Software

CAB432 Cloud Computing

Systems Option Unit

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

- Todi o - Comester 2		
Code	Title	
Semester 1 (February) commencements		
Year 1 - Semester 1		
EGB113	Energy in Engineering Systems	
M7D125	Introductory Engineering	

OR

MZB125

MXB161 Computational Explorations

Mathematics

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 Digita Systems
EGB120	Foundations of Electrical

### 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)

real 3 - 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

Research Project 2 -2

Advanced Electrical Option Unit (3)

Advanced Electrical Option Unit (4)

Advanced Electrical Option Unit (5)

#### Semesters

EGH400

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

<ul> <li>Yea</li> </ul>	r 5 - Semester 1 r 5 - Semester 2	
Code	Title	
Semeste	1 (February) commencements	
Year 1 - 9	Semester 1	
EGB113	Energy in Engineering Systems	
MZB125	Introductory Engineering Mathematics	
MXB161	Computational Explorations	
Year 1 - S	Semester 2	
EGB100	Engineering Sustainability and Professional Practice	
MZB126	Engineering Computation	
Year 2 - S	Semester 1	
EGB111	Foundation of Engineering Design	
EGB121	Engineering Mechanics	
Year 2 - S	Semester 2	
EGB120	Foundations of Electrical Engineering	
Foundation Unit Option		
Year 3 - 3	Semester 1	
CAB202	Microprocessors and Digital Systems	
EGB240	Electronic Design	
Year 3 - 5	Semester 2	



EGB242 | Signal Analysis

Year 4 - Semester 1

Year 4 - Semester 2

Year 5 - Semester 1

EGH400

Intermediate Electrical Option Unit

EGB243 Aircraft Systems and Flight

Design Project

EGB345 | Control and Dynamic Systems EGB346 Unmanned Aircraft Systems

Research Project 1

Systems Engineering and

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**

- <u>Semester 1 (February)</u> <u>commencements</u>
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1Year 5 Semester 2

Code	Title					
_	 					

Comosion	T (I Cordary) commencement			
Year 1 - 9	/ear 1 - Semester 1			
EGB113	Energy in Engineering Systems			
M7D105	Introductory Engineering			

MZB125 Mathematics
OR

**MXB161** Computational Explorations

Year 1	- Semester 2
i eai l	- Semester Z

EGB100	Engineering Sustainability and Professional Practice
	Professional Practice

MZB126 Engineering Computation

#### Year 2 - Semester 1

EGB111	Foundation of Engineering Design
ECD404	Cumina suina Mashanias

EGB121 Engineering Mechanics

### Year 2 - Semester 2

EGB120	Foundations of Electrical
EGD 120	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 - 8	Semester 1	
EGB316	Design of Machine Elements	
EGH400 -1	Research Project 1	
EGH414	Stress Analysis	
EGH421	Vibration and Control	
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
EGH420	Mechanical Systems Design	
EGH422	Advanced Thermodynamics	
EGH423	Fluids Dynamics	

#### Semesters

- <u>Semester 1 (February)</u> commencements
- Year 1 Semester 1
- Year 1 Semester 2
- Year 2 Semester 1
- Year 2 Semester 2
- Year 3 Semester 1
- Year 3 Semester 2
- Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

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

MZB125 Systems
Introductory Engineering Mathematics

OR

MXB161 | Computational Explorations

#### Year 1 - Semester 2

EGB100	Profess	ering Si sional P	ractice	iity and

MZB126 Engineering Computation

### Year 2 - Semester 1

EGB111	Foundation of Engineering Design	
FGB121	Engineering Mechanics	

EGB121 Engineering Mechanics

### Year 2 - Semester 2

EGB120 Foundations of Electrical Engineering

Foundation Unit Option

### Year 3 - Semester 1

EGB211	Dyn	amics
E00040	٥.	

EGB242 Signal Analysis

### Year 3 - Semester 2

CAB202	Systems	
EGB345	Control and Dynamic Systems	

### Year 4 - Semester 1

EGB220 Mechatronics Design 1

Intermediate Mechanical Option Unit		
Year 4 - Semester 2		
EGB320	Mechatronics Design 2	
Intermedi	ate Electrical Option Unit	
Year 5 - 8	Semester 1	
EGH400 -1	Research Project 1	
EGH404	Research in Engineering Practice	
EGH419	Mechatronics Design 3	
EGH445 Modern Control		
Year 5 - Semester 2		
EGH400 -2	Research Project 2	
Advanced Mechanical Option Unit		
EGH446	Autonomous 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 2Year 4 Semester 1
- Year 4 Semester 2
- Year 5 Semester 1
- Year 5 Semester 2

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

**Energy in Engineering** 

EGB113 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

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

LQB187 Human Anatomy

LQB187 replaces LSB131 from 2021 onwards

Year 3 - Semester 2



	o. ogog (oo		
EGB211	Dynamics		
LSB231	Physiology		
Year 4 - 9	Year 4 - Semester 1		
EGB214	Materials and Manufacturing		
EGB323	Fluid Mechanics		
Year 4 - 9	Semester 2		
EGB210	Fundamentals of Mechanical Design		
EGH404	Research in Engineering Practice		
Year 5 - Semester 1			
EGB319	BioDesign		
EGH400 -1	Research Project 1		
EGH414	Stress Analysis		
EGH418	Biomechanics		
Year 5 - 8	Semester 2		
EGH400 -2	Research Project 2		
	Research Project 2 Biofluids		
-2	-		
-2 EGH424	Biofluids  Modelling and Simulation for Medical Engineers		





### **Bachelor of Urban Development (Honours)**

Year	2021
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,600 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

# Minimum English requirements

Students must meet the 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	2021
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,600 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
Discipline Coordinator	Dr Melissa Teo +61 7 3138 2000 askqut@qut.edu.au

### Domestic Entry requirements QUT Year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12 Early Offer Scheme

## Helping you to get into your course

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

## Dual TAFE-Qld Brisbane/QUT award

If you enrol in a QTAC offer for the following dual TAFE-Qld Greater Brisbane/QUT award you will automatically receive a QUT conditional offer in June (semester 1 QTAC offer) or October (semester 2 QTAC offer) after your enrolment at TAFE-Qld Greater Brisbane is confirmed.

• <u>Diploma of Building and</u> Construction (Management)

Upon completion of the TAFE-Qld diploma you will be able to enrol at QUT. You will also automatically receive 1 year (96 credit points) credit transfer and be able to complete the degree in 3 years as a full-time student (or equivalent parttime). More details will be provided in your QUT conditional offer letter.

# Domestic Assumed knowledge

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

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

# International 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



### Bachelor of Urban Development (Honours) (Construction Management)

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



#### Bachelor of Urban Development (Honours) (Construction Management)

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**

- Year 1, Semester 1
  - Year 1, Semester 2 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, Sem		emester 1
	BSB113	Economics
	UXB100	Design-thinking for the Built Environment
	UXB110	Residential Construction
	UXB115	Introduction to Modern Construction Business

3.10 di 0) (	Constituction Management		
Year 1, S	emester 2		
UXB111	Imagine Construction Management		
UXB112	Introduction to Structures		
UXB113	Measurement for Construction		
UXB114	Integrated Construction		
Year 2, S	emester 1		
UXB210	Commercial Construction		
UXB211	Building Services		
UXB213	Advanced Measurement for Construction		
2nd Majo	r/Minor unit		
Year 2, S	emester 2		
LWS012	Urban Development Law		
UXB212	Design for Structures		
UXH315	Construction Estimating		
	r/Minor unit		
Year 3, S	emester 1		
USB300	Property Development		
UXH310	High-rise Construction		
UXH311	Contract Administration		
	r/Minor unit		
Year 3, S	emester 2		
UXB301	Professional Practice		
UXH300	Research Methods for the Future Built Environment		
UXH312	Construction Legislation		
	r/Minor unit		
Year 4, S	emester 1		
UXH400 -1	Project - Part A		
UXH411	Programming and Scheduling		
2nd Majo	2nd Major/Minor unit		
2nd Major/Minor unit			
Year 4, S	emester 2		
UXH400 -2	Project - Part B		
UXH410	Strategic Construction Management		
2nd Major/Minor unit			
2nd Majo	2nd Major/Minor unit		



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

Year	2021
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,600 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
Discipline Coordinator	Jason Gray +61 7 3138 2000 askqut@qut.edu.au

### Domestic Entry requirements QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank

Find out more about the QUT Year 12
Early Offer Scheme

# Domestic Assumed knowledge

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

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

# International 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)



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

#### 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 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 cap-offer a



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

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

• Year 4, Semester 2		
Code	Title	
Year 1, Semester 1		
BSB113	Economics	
UXB100	Design-thinking for the Built Environment	
UXB110	Residential Construction	
UXB115	Introduction to Modern Construction Business	
Year 1, S	emester 2	
UXB113	Measurement for Construction	
UXB114	Integrated Construction	
UXB120	Introduction to Heavy Engineering Sector Technology	
UXB121	Imagine Quantity Surveying and Cost Engineering	
Year 2, S	emester 1	
UXB210	Commercial Construction	
UXB211	Building Services	
UXB213	Advanced Measurement for Construction	
2nd Major/Minor unit		
Year 2, S	emester 2	
LWS012	Urban Development Law	
UXB220	Services and Heavy Engineering Measurement	

	educting out voying and oc		
UXH315	Construction Estimating		
	r/Minor unit		
Year 3, S	emester 1		
USB300	Property Development		
UXH310	High-rise Construction		
UXH311	Contract Administration		
2nd Majo	r/Minor unit		
Year 3, S	emester 2		
UXB301	Professional Practice		
UXH300	Research Methods for the Future Built Environment		
UXH321	Cost Planning and Controls		
2nd Majo	r/Minor unit		
Year 4, S	Year 4, Semester 1		
UXH400 -1	Project - Part A		
UXH420	Risk Management in the Energy and Resources		
	Sectors		
2nd Majo	Sectors r/Minor unit		
2nd Majo	r/Minor unit		
2nd Majo Year 4, S	r/Minor unit r/Minor unit		
2nd Majo Year 4, S	r/Minor unit r/Minor unit emester 2		
2nd Majo Year 4, S UXH312 UXH400 -2	r/Minor unit r/Minor unit emester 2 Construction Legislation		
2nd Majo Year 4, S UXH312 UXH400 -2 2nd Majo	r/Minor unit r/Minor unit emester 2 Construction Legislation Project - Part B		





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

Year	2021
QUT code	UD01
CRICOS	080479J
Duration (full-time)	4 years
Duration (part-time domestic)	8 years
ATAR/Selection rank	70.00
Offer Guarantee	Yes
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$9,300 per year full-time (96 credit points)
International fee (indicative)	2021: \$32,600 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
Discipline Coordinator	Mellini Sloan +61 7 3138 2000 askqut@qut.edu.au

### Domestic Entry requirements QUT year 12 early offer scheme

If you're a current Queensland Year 12 student, you may be eligible to receive an offer for this course on 20 November, before receiving your ATAR or selection rank.

Find out more about the QUT Year 12
Early Offer Scheme

# Domestic Assumed knowledge

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

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

# Minimum English requirements

Students must meet the 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



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

- •Language Minors University Wide Options
- University Wide Minors

#### **Professional Recognition**

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

#### Pathways to Further Study

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

#### **Domestic Course structure**

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

- a) 72 credit points (6 units) of urban development core units, which includes a Professional Practice unit that requires completion of workplace learning
- b) 216 credit points (18 units) of urban and regional planning discipline units
- c) 96 credit points of complementary studies comprising of either a second major (8 unit set) or two minors (4 unit set each).

#### **Urban development core units**

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

### Urban and regional planning major discipline units

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

#### **Complementary studies options**

Complementary studies may be taken as a second major of 96 credit points or two minors of 48 credit points each.

Experiential minors in work integrated learning as well as student exchange are

also available.

#### **Second majors**

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

#### **Minors**

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

#### Pathways to further study

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

### International Course structure

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

- a) 72 credit points (6 units) of Urban
   Development Core units, which includes a
   Professional Practice unit that requires
   completion of workplace learning.
- b) 216 credit points (18 units) of Urban and Regional Planning discipline units
- c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set) or two Minors (4 unit set each).

#### **Urban Development Core Units**

These units will engage you in understanding Urban Development from a range of disciplinary and multidisciplinary perspectives, expose you to the various outcomes available for pursuing studies in this field and introduce the fundamental

basis for policy and practice. Later core units, together with the discipline specific units, will progress your learning development through experiential and enquiry based learning in collaborative environments.

### **Urban and Regional Planning Major Discipline Units**

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

#### **Complementary Studies Options**

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

#### **Second Majors**

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

#### Minors

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

#### **Pathways to Further Study**

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

#### **Sample Structure** Semesters

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



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

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

- Year 4, Semester 2

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





#### Graduate Certificate in Designing Resilient Landscapes

Year	2021
QUT code	DE70
Duration (part-time domestic)	2 years
Duration (part-time international)	2 years
Domestic fee (indicative)	2021: \$11,700 per year part-time (48 credit points)
International fee (indicative)	2021: \$17,400 per year part-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	Aspro Debra Cushing
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

#### **Domestic Entry requirements**

A completed recognised bachelor degree (or higher qualification) in landscape architecture or relevant discipline; or

A completed diploma (or higher qualification) in landscape architecture or relevant discipline plus three years fulltime (or equivalent) experience working in landscape architecture or relevant field; or

Five years (full-time) professional experience working in landscape architecture or relevant field

#### Relevant discipline/field

- Architecture
- · Civil engineering
- · Environmental engineering
- Environmental science
- Interior architecture
- Landscape architecture
- Planning (regional, town urban)

#### International Entry requirements

A completed recognised bachelor degree or higher qualification in landscape architecture or relevant discipline, such

- · environmental engineering
- · civil engineering
- planning
- environmental science
- environmental design
- architecture
- urban design
- · interior architecture

#### Minimum English requirements

Students must meet the English proficiency requirements.

#### **Domestic Course structure**

To meet the course requirements for the Graduate Certificate in Designing Resilient Landscapes, you must complete a total of 48 credit points, made up of:

- two core units (24 credit points)
- two option units (24 credit points) chosen from the Landscape Unit Options list.

Of the eight units available in this course,

four will be delivered fully online and four will be delivered on-campus with an online learning component.

#### International Course structure

To meet the course requirements for the Graduate Certificate in Designing Resilient Landscapes, you must complete a total of 48 credit points, made up of:

- two core units (24 credit points)
- two option units (24 credit points) chosen from the Landscape Unit Options list.

Of the eight units available in this course, four will be delivered fully online and four will be delivered on-campus with an online learning component.

#### Sample Structure

Note: Due to the staged roll out of units, it will not be possible to complete this course until end 2022.

#### **Semesters**

- February entry
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- July entry
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2
- Year 3, Semester 1

Code	Title	
February entry		
Year 1, Semester 1		
One unit from the Landscape Unit Options list		

Year 1, Semester 2

DYN107 Decolonised Design

#### Year 2, Semester 1

One unit from the Landscape Unit Options list

#### Year 2, Semester 2

Sustainable Urban Design: **DYN106** Approaches and Principles

Note: DYN106 Sustainable Urban Design: Approaches and Principles will be offered for the first time in semester 2 2022. It is planned for offer in semester 1 and semester 2 from 2023.

#### July entry

Year 1, Semester 2

DYN107 Decolonised Design

#### Year 2, Semester 1

One unit from the Landscape Unit Options list



#### **Graduate Certificate in Designing Resilient Landscapes**

#### Year 2, Semester 2

One unit from the Landscape Unit Options list

#### Year 3, Semester 1

**DYN106** 

Sustainable Urban Design: Approaches and Principles

Note: DYN106 Sustainable Urban Design: Approaches and Principles will be offered for the first time in semester 2 2022. It is planned for offer in semester 1 and semester 2 from 2023.





#### **Graduate Certificate in Communication for Engineering**

Year	2021
QUT code	EN60
CRICOS	096755G
Duration (full-time international)	6 months
International fee (indicative)	2021: \$18,400 per course (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Course Coordinator	Dr Marc Miska
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

# International Entry requirements

Academic entry requirements

Requirements for this pathway course as

Requirements for this pathway course are dependent your selected Master program and major.

Master of Professional Engineering (Electrical OR Electrical and Management Majors)

EN60 Graduate Certificate in Communication for Engineering (1 semester) and EN55 Master of Professional Engineering (Electrical OR Electrical and Management) (3 semesters)

A completed recognised four year full time Bachelor degree in an Electrical engineering discipline with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Master of Professional Engineering (Mechanical OR Mechanical and Management Majors)

EN60 Graduate Certificate in Communication for Engineering (1 semester) and EN55 Master of Professional Engineering (Mechanical OR Mechanical and Management) (3 semesters)

A completed recognised four year full time Bachelor degree in a Mechanical engineering discipline with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Master of Professional Engineering (Civil OR Civil and Construction OR Civil and Management Majors)

EN60 Graduate Certificate in Communication for Engineering (1 semester) and EN55 Master of Professional Engineering (Civil OR Civil and Construction OR Civil and Management) (3 semesters)

A completed recognised four year full time Bachelor degree in a Civil engineering discipline with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Master of Engineering Management

EN60 Graduate Certificate in Communication for Engineering (1 semester) and BN87 Master of Engineering Management (2 semesters) A completed recognised four year full time Bachelor degree in Electrical, Mechanical or Civil engineering with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Master of Engineering (Electrical)

EN60 Graduate Certificate in Communication for Engineering (1 semester) and EN50 Master of Engineering (Electrical) (2 semesters)

A completed recognised four year full time Bachelor degree in an Electrical engineering discipline with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Master of Engineering (Mechanical)

EN60 Graduate Certificate in Communication for Engineering (1 semester) and EN50 Master of Engineering (Mechanical) (2 semesters)

A completed recognised four year full time Bachelor degree in a Mechanical engineering discipline with a grade point average of 4.0 or higher (on QUT's 7 point scale).

Master of Project Management

EN60 Graduate Certificate in Communication for Engineering (1 semester) and PM20 Master of Project Management (2 or 3 semesters)

A completed recognised four year full time Bachelor degree in an Electrical, Mechanical or Civil engineering discipline with a grade point average of 4.0 or higher (on QUT's 7 point scale).

# Minimum English requirements

Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)	
Overall	6.0
Listening	5.0
Reading	5.5
Writing	5.5
Speaking	5.0

# International Course structure

The Graduate Certificate in Communication for Engineering is designed around set of core and



#### **Graduate Certificate in Communication for Engineering**

discipline units to provide engineering graduates with technical, theoretical and language skills for further learning.

To graduate with a EN60 Graduate Certificate in Communication for Engineering you are required to complete 48 credit points of course units consisting of:

- 24 credit points of core communication units
- 12 credit points of core engineering units
- 12 credit points of engineering discipline units for advanced specialised knowledge and technical skills.

Your engineering discipline unit is selected from either the mechanical or electrical unit options, depending on your engineering specialisation.

No credit for prior learning will be available for units in this course. Discipline units provide added depth and breadth in your chosen area of specialisation in an English speaking context.

**Sample Structure** 

Sample Structure		
Code	Title	
Year 1, S	emester 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	

Civil Engineering Unit Options List (not for Civil & Construction - see below)	
EGH423	Fluids Dynamics
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 Project Management**

Year	2021
QUT code	PM15
CRICOS	084926C
Duration (full-time)	6 months
Campus	Gardens Point
Domestic fee (indicative)	2021: \$11,600 per course (48 credit points)
International fee (indicative)	2021: \$17,300 per course (48 credit points)
Total credit points	48
Credit points full-time sem.	48
Start months	July
Int. Start Months	July
Course Coordinator	Dr Madhav Nepal
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

#### **Domestic Entry requirements**

A recognised bachelor degree (or higher qualification) in any discipline; *or* 

A recognised diploma (or higher qualification) in any discipline *and* at least two years full-time (or equivalent) professional work experience in project or program management; *or* 

At least five years full-time (or equivalent) professional work experience in project or program management.

# 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

#### **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.



#### **Graduate Certificate in Project Management**

#### **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	2021
QUT code	PQ15
Duration (full-time)	6 months
Domestic fee (indicative)	2021: \$11,600 per year full-time (48 credit points)
International fee (indicative)	2021: \$17,300 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	1300 110 918 help@qutonline.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 highe 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.





#### **Master of Engineering Management**

Year	2021
QUT code	BN87
CRICOS	006368G
Duration (full-time)	1 year
Duration (part-time)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$25,100 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,500 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	AskQUT +61 7 3138 2000 askqut@qut.edu.au

#### **Domestic Entry requirements**

A recognised four-year full time (or equivalent) bachelor or bachelor honours degree in engineering with a grade point average (GPA) of 4.0 or more (on a 7 point scale).

# International Entry requirements

#### **Academic entry requirements**

- A completed recognised four-year full-time bachelor degree in a relevant engineering discipline with a minimum grade point average (GPA) score of 4.0 on QUT's 7-point scale; or
- A completed recognised three-year full-time bachelor degree in a relevant engineering discipline with a minimum grade point average (GPA) score of 4.0 on QUT's 7-point scale and two years full-time professional engineering work experience.\*

\*Students applying on the basis of work experience must submit a current curriculum vitae and employer statements detailing roles and responsibilities.

# Minimum English requirements

Students must meet the English proficiency requirements.

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

#### **Course Structure**

To graduate with a Master of Engineering Management you are required to complete 96 credit points (8 units) consisting of:

48 credit points of core engineering management postgraduate units, including a 12 credit point advanced research skills unit and 24 credit points of research based project units

and;

48 credit points of engineering management discipline units.

#### International Student Entry

International students must maintain an enrolment program that will allow them to

complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

#### **Early Exit Options**

Please note: There is no early exit option available for students that enter the BN87 progam from 2015 onwards.

#### **Pathways to Further Study**

The Master of Engineering Management is located at level 9 of the Australian Qualifications Framework. Graduates that meet the GPA requirements, may be eligible to apply for discipline relevant Doctoral level studies.

# International Combined Masters Packages

Students admitted to a combined masters pathway (BN87 + EN50 or BN87 + PM20) may progress to their second degree on completion of the first, and are referred to the combined package study plan for their chosen combination, available on the course websites. Separate awards are granted for each degree completed.

### Domestic Course structure Course Structure

To graduate with a Master of Engineering Management you are required to complete 96 credit points (8 units) consisting of:

60 credit points of core engineering management postgraduate units, including advanced research skills and research based project units, a professional practice unit and an advanced discipline unit. Plus 36 credit points of advanced discipline and management units to be selected from a list of options.

### International Course structure

To graduate with a Master of Engineering Management you are required to complete 96 credit points (8 units) consisting of:

60 credit points of core engineering management postgraduate units, including advanced research skills and research based project units, a professional practice unit and an advanced discipline unit. Plus 36 credit points of advanced discipline and management units to be selected from a list of options.



### Combined masters packages for international students

If you are admitted to either of:

- Master of Engineering Management and Master of Engineering package
- Master of Engineering Management and Master of Project Management package

You can progress to the second degree on completion of the first.

You will receive an award for each degree completed.

Refer to the combined package course structure of the relevant second year degree for unit details.

#### **International Student Entry**

You must maintain an enrolment program that will allow you to complete your course within the specified timeframe of your electronic Confirmation of Enrolment (eCoE)

#### Sample Structure

Combined Masters Packages: Master of Engineering (EN50) plus Master of Engineering Management (BN87)

If you are admitted to this pathway, once you have completed your Master of Engineering (EN50) including BEN610/PMN610 Project Management Principles, you may progress to the Master of Engineering Management (BN87) with 24 credit points of advanced standing.

Please follow the study plan below for your combined package.

Engineering Management (BN87) plus Master of Engineering (EN50) OR Master of Engineering Management (BN87) plus Master of Project Management (PM20)

If you are admitted to one of these pathways, once you successfully complete your Master of Engineering Management (BN87), you may progress to your second program.

Please refer to the relevant course site (EN50 or PM20) for further information regarding your second degree and follow the study plan for your combined package.

#### **Semesters**

- Combined Masters Program Year
- BN87 Study Plan for EN50 Master of Engineering Graduates
- Engineering Management Unit

#### **Options List**

### Code Title Combined Masters Program - Year 2

To undertake BN87 Master of Engineering Management in Year 2 of your combined masters program, you will have completed EN50 Master of Engineering program in Year 1. Please follow the study plan below, including advanced standing, for your Year 2 BN87 program.

#### BN87 Study Plan for EN50 Master of Engineering Graduates

February Entry

Year 2, Semester 1

ENN591 -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

Asset and Facility

Asset and Facility

MGN44 Coaching for Leadership
Development

MGN50 Consulting and Change 5 Management

PMN504 People and Projects

PMN601 Projects and Performance

#### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Select 24CP (2 units) from the Engineering Management Unit Options List 1
- Select 12CP (1 unit) from the Engineering Management Unit Options List 2

Code	Title
Year 1, S	emester 1
ENN541	Research Methods for Engineers
ENN591 -1	Project 1
PMN610	Project Management Principles
OR Engir Unit	neering Management Option
Engineer	ing Management Option Unit
Year 1, S	emester 2
ENN570	Enterprise Resource Plannin
ENN591 -2	Project 2
PMN610	Project Management Principles
OR Engir Unit	neering Management Option
Engineeri	ing Management Option Unit
	CP (2 units) from the ing Management Unit Options  Engineering Knowledge
	Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
	CP (1 unit) from the ing Management Unit Options
AMN430	International Logistics Management
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN44 1	Coaching for Leadership Development
	· · · · · · · · · · · · · · · · · ·



Management

PMN601 Projects and Performance

PMN504 | People and Projects



### **Master of Engineering Management**

Year	2021
QUT code	BQ87
Duration (full-time domestic)	1 year
Duration (part-time domestic)	2 years
Domestic fee (indicative)	2021: \$25,100 per year full-time (96 credit points)
International fee (indicative)	2021: \$35,500 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Credit points part-time sem.	24
Dom. Start Months	October, July, April, February
Course Coordinator	
Discipline Coordinator	1300 110 918 help@qutonline.edu.au

The Master of Engineering Management is a practical and unique course that equips engineers with the skills they need to reach management positions in their field. If you are looking to move into technical managerial positions in your career this course is for you. Real-world and industry-relevant, the course prepares you to meet the challenges of our complex world.

#### **Acdemic Entry requirements**

with a recognised four-year full time (or equivalent) bachelor degree (or higher) in engineering.

#### **Course structure**

To meet the course requirements for the Master of Engineering Management, you must complete a total of 96 credit points made up of:

• 8 x Units (12)

#### Core Units

Enterprise Resource Planning
Project Management Principles
Engineering Knowledge Management
Total Quality Management
Asset and Facility Management
Research Methods for Engineers
Project 1
Project 2





#### Master of Landscape Architecture

Year	2021
QUT code	DE72
CRICOS	102712H
Duration (full-time)	2 years
Duration (part-time domestic)	4 years
Domestic fee (indicative)	2021: \$23,400 per year full-time (96 credit points)
International fee (indicative)	2021: \$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	Aspro Debra Cushing
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

# Domestic Entry requirements 2 year program

- A recognised bachelor degree in landscape architecture; *or*
- A recognised overseas bachelor program in landscape architecture plus an successful portfolio demonstrating the core skills in landscape architecture; or
- A recognised bachelor degree (or higher qualification) in a relevant discipline plus a successful portfolio demonstrating the core skills in landscape architecture.

#### 1.5 year program

- Completion of <u>DV43 Bachelor of</u> <u>Design (Landscape Architecture)</u>; or
- Completion of <u>DE70 Graduate</u>
   Certificate of <u>Designing Resilient</u>
   <u>Landscapes</u> plus a successful
   portfolio demonstrating the core
   skills in landscape architecture; or
- A recognised Australian Masters of Architecture plus a successful portfolio demonstrating the core skills in landscape architecture.

#### 1 year program

 Completion of DE42 Bachelor of Design (Honours) (Landscape Architecture).

#### **Relevant disciplines**

- Architecture
- Civil engineering
- Environmental engineering
- Environmental science
- Interior architecture
- Planning (regional, town, urban)

#### **Portfolio**

Your digital portfolio will to demonstrate your capabilities in the core skills in landscape architecture:

- 1. Design thinking and development Graphic and textual explanation of the thinking behind, and development of, at least one design or planning project from concept through to final resolution.
- 2. Design resolution at different scales-Resolved design or planning projects at two different scales: e.g. one for a laneway and one for an urban region. Resolution is communicated through plans, sections, perspectives, models or similar.
- 3. Technical design Construction documentation, e.g. (but not limited to) grading plans, planting plans, construction detailing, design specifications.

- 4. Design communication Demonstrated skills in two or more of the following:
  - hand drawing, sketching, painting, collage
  - model making
  - computer aided drawing and/or desktop publishing

### What form should my portfolio take?

The portfolio shall be submitted in electronic form.

You must collate your work into a single PDF (maximum 30 pages):

- supply a URL if it is hosted online or
- upload a file (maximum load file in the QUT application portal is 5mb, so you may load multiple files. Your total portfolio size should be no more than 10mb).

### What should be in my (digital) portfolio?

1. Portfolio of design work: A folio of work (between four and six examples of design projects in a maximum of 25 pages) in PDF format consisting of your design projects from university-level studies, professional and/or personal creative work reflecting your skills and knowledge of landscape architecture.

Work should evidence, but not be limited to: your use of computer programs such as Adobe Photoshop, In-Design, Illustrator, AutoCAD, Revit and other 3D packages, as well as hand drawing, sketching, painting, collage, modelmaking and photography. In addition to final rendered images, include information on the concepts, ideas, design process leading to the final design, as well as any construction documentation. Please include designs completed at a variety of scales, with some that include grading plans, planting plans, and other construction documentation. The folio may include material developed with others in an office/practice situation where this is clearly referenced and your specific contribution is explained.

- Professional CV: A maximum two-page professional CV that clearly shows your design or related experience in PDF format.
- 3. A personal statement: a maximum of 300 words presenting your reasons for wanting to study the Master of Landscape Architecture.



#### **Current QUT Bachelor of Design (Landscape Architecture) graduands**

Current QUT Bachelor of Design (Landscape Architecture) single and double degree graduands will automatically receive an offer for DE83 Master of Architecture within three weeks of course completion.

All other applicants will need to apply to seek entry.

#### **International Entry** requirements

2 year program

A completed Australian bachelor degree (or equivalent) (or higher award) in landscape architecture; or

A completed recognised overseas bachelor program in landscape architecture and an approved portfolio demonstrating core skills in landscape architecture: or

A completed recognised bachelor degree (or equivalent) (or higher award) in a relevant discipline such as architecture and an approved portfolio demonstrating core skills in landscape architecture.

#### 1.5 year program

Successful completion of the Bachelor of Design (Landscape Architecture) (DV43); or successful completion of the Graduate Certificate of Designing Resilient Landscapes (DE70) and an approved portfolio demonstrating core skills in landscape architecture; or

Successful completion of an Architects Accreditation Council of Australia (AACA) accredited masters course in architecture and an approved portfolio demonstrating core skills in landscape architecture.

1 year program Successful completion of the Bachelor of Design (Honours) (Landscape Architecture) (DE42).

#### **Minimum English** requirements

Students must meet the English proficiency requirements.

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

Speaking

#### **Domestic Course structure**

To meet the course requirements for the Master of Landscape Architecture, vou must complete a total of 192 credit points, made up of:

• thirteen core units (192 credit points). Three of these units (72 credit points) are 24-credit-point Studio units.

Some units may be offered fully online or online with a face-to-face component.

If you have a relevant prior degree you may be able to complete the course in 1 or 1.5 years. See the Requirements tab for information about eligibility.

#### **International Course** structure

To meet the course requirements for the Master of Landscape Architecture, you must complete a total of 192 credit points, made up of:

• thirteen core units (192 credit points). Three of these units (72 credit points) are 24-credit-point Studio units.

Some units may be offered fully online or online with a face-to-face component.

If you have a relevant prior degree you may be able to complete the course in 1 or 1.5 years. See the Requirements tab for information about eligibility.

#### Sample Structure

Note: Due to the staged roll out of units, only part-time mode will be available in 2021. It will not be possible to complete this course until mid 2023.

#### **Semesters**

- February entry
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1 Year 4, Semester 2
- July entry
- Year 1, Semester 2
- Year 2, Semester 1
- 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
	February entry	
Year 1, Semester 1		

DLN103	Plants for Urban and Natural Systems

DYN102 Research Strategies in Design

#### Year 1, Semester 2

Planning and Policy for **DLN108** Contemporary Issues

DYN107 Decolonised Design

#### Year 2, Semester 1

Landscape Histories and **DLN101** Criticism

Studio: Climate-Responsive **DLN111** Design

#### Year 2, Semester 2

DLN115 Studio: Urban Spaces

#### Year 3, Semester 1

**DLN104** Critical Ecologies Integrated Professional **DYN203** Practice

#### Year 3, Semester 2

Sustainable Urban Design: **DYN106** Approaches and Principles

Management and **DYN207** Administration of Projects

#### Year 4, Semester 1

DYN211 Studio: Communities

#### Year 4, Semester 2

DLN215 Studio: Advanced Practice

#### July entry

#### Year 1, Semester 2

Planning and Policy for **DLN108** Contemporary Issues

DYN107 Decolonised Design

#### Year 2, Semester 1

Plants for Urban and Natural **DLN103** Systems

DYN102 Research Strategies in Design

#### Year 2, Semester 2

DLN115 Studio: Urban Spaces

#### Year 3, Semester 1

Landscape Histories and **DLN101** Criticism Studio: Climate-Responsive **DLN111** Design

#### Year 3, Semester 2

Sustainable Urban Design: **DYN106** Approaches and Principles

Management and **DYN207** Administration of Projects

#### Year 4, Semester 1

**DLN104** Critical Ecologies Integrated Professional **DYN203** Practice

#### Year 4, Semester 2

DYN211 Studio: Communities

#### Year 5, Semester 1

DLN215 Studio: Advanced Practice







#### Master of Architecture (until 2022)

Year	2021
QUT code	DE80
CRICOS	056390G
Duration (full-time)	1 year
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,700 per year full-time (96 credit points)
Total credit points	96
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Aspro Philip Crowther
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

### **Domestic Entry requirements**Academic entry requirements

Successful completion of QUT's:

- Bachelor of Design (Honours) (Architectural Studies) (DE42); or
- Bachelor of Design (Architectural Studies) (DE40) or

#### A completed recognised:

- 4 year architectural design Bachelor program that is accredited by the AACA; or
- 4 year architectural design Bachelor non-accredited program (international programs). You may be asked to submit a portfolio of design work.

Current Bachelor of Design (Architectural Studies) (DE40) and Bachelor of Design (Honours) (Architectural Studies) (DE42) graduands will automatically receive an offer to start the Master of Architecture (DE80) within three weeks of the current semester results being released.

All other applicants must apply directly to QUT.

Applicants who have a three year qualification must complete QUT's Bachelor of Design (Honours) (Architectural Studies) or a comparable AACA accredited program.

# International Entry requirements

#### **Academic entry requirements**

QUT's Bachelor of Design (Architectural Studies) or Bachelor of Design (Honours) (Architectural Studies); *or* 

A completed recognised 4 year full-time bachelor degree in architecture comparable to QUT's Bachelor of Design (Honours) program. Applicants applying on this basis must submit prior course information and a digital portfolio. Please refer to the application documentation requirements for details; or

A completed recognised 3 year full-time bachelor degree in architecture plus at least 1 year of recognised postgraduate architecture studies comparable to QUT's Bachelor of Design (Honours) program. Applicants applying on this basis must submit prior course information and a digital portfolio. Please refer to the application documentation requirements for details.

Application documentation requirements

Your portfolio, prior course content and

your academic transcripts will be assessed to determine if you have met the course learning outcomes comparable to QUT's Bachelor of Design (Honours) (Architectural Studies). Please submit the following with your application:

- Prior architecture course information including course overview and subject syllabus in English; and
- 2. A digital portfolio which must include the following:
- a minimum of 4 projects. Ensure that your architectural design abilities are well represented in the portfolio;
- fully documented design projects with a proper set of plans, sections, elevations and perspectives (photos of models optional), for each project included;
- samples of your university design assignments (architectural design projects) from the highest year levels of design studio that you have completed. The intent of the portfolio is to illustrate your highest level of skill development during your previous studies;
- samples of design projects completed for professional work (university studies only).

Portfolios must be in English and submitted in digital form (preferably 'pdf') with your application.

#### Note

Applicants who do not satisfy entry requirements for the Master of Architecture course may be considered for a pathway via the Bachelor of Design (Honours) (Architectural Studies), leading to the Master of Architecture.

# Minimum English requirements

Students must meet the English proficiency requirements.

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

#### **Description**

The Master of Architecture enables the development of advanced yet balanced understanding in architectural design and research, contextual studies, technology





#### Master of Architecture (until 2022)

and science and studies for professional practice. It is the professional degree required, along with the requisite post-graduate work experience, for registration as an architect.

#### **Professional Recognition**

Graduates of the DE80 Master of Architecture meet the academic requirements for membership of the Australian Institute of Architects (AIA). Graduates who have also completed two years of practical architectural experience (at least one year postgraduate) will be eligible to undertake the Architectural Practice Examination which, if successful, will enable the graduate to be eligible for registration with any Board of Architects in Australia.

#### **Domestic Course structure**

To meet the course requirements for this course, you must complete a total of 96 credit points, made up of:

- Two research-based 'design studios' (24 credit points each)
- Four core units (12 credit points each).

The two 'design studio' units form the cornerstone of this course and emphasise authentic learning by doing, collaborative approaches to knowledge building, and project-based approaches to learning.

# International Course structure

To meet the course requirements for this course, you must complete a total of 96 credit points, made up of:

- Two research-based 'design studios' (24 credit points each)
- Four core units (12 credit points each).

The two 'design studio' units form the cornerstone of this course and emphasise authentic learning by doing, collaborative approaches to knowledge building, and project-based approaches to learning.

Sample Structure

Code	Title	
Year 1 - 9	Semester 1	
DAN101	Master Studio A	
DAN125	Contemporary Architectural Culture	
DAN145	Architectural Professional Practice	
Year 1 - Semester 2		
DAN201	Master Studio B	
DAN235	Project Management	
DAN245	Contract Administration	





#### Master of Architecture (from 2022)

Year	2021
QUT code	DE83
Duration (full-time)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,700 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Start months	July, February
Int. Start Months	July, February
Course Coordinator	Aspro Philip Crowther
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

### **Domestic Entry requirements**Academic entry requirements

Successful completion of one of the following QUT courses:

- Bachelor of Design (Architecture) (DE43) with a GPA of 4.5 or better
- Bachelor of Design (Architecture) (DE43) and six months relevant professional experience
- Bachelor of Design International (Architecture) (DE45) with a GPA of 4.5 or greater
- Bachelor of Design International (Architecture) (DE45) and six months relevant professional experience
- Bachelor of Design (Honours) (Architectural Studies) (DE42)
- Bachelor of Design (Architectural Studies) (DE40).

You can also apply if you have one of the following completed, recognised qualifications:

- a three-year architectural design bachelor degree program that leads to an AACA accredited course, with a GPA of 4.5 (or equivalent)
- a three-year architectural design bachelor non-accredited program (international programs) with a GPA of 4.5 (or equivalent). You may be asked to submit a portfolio of design work.

QUT Bachelor of Design (Architecture) (DE43) and Bachelor of Design - International (Architecture) (DE45) graduands with a GPA of 4.5 or better will automatically receive an offer for DE83 Master of Architecture within three weeks of course completion. All other applicants must apply directly to QUT.

# International Entry requirements

Academic entry requirements
Australian qualifications

2-year program

Successful completion of one of the following QUT courses:

- Bachelor of Design (Architecture) (DE43) with a GPA of 4.5 or better
- Bachelor of Design (Architecture) (DE43) and six months relevant professional experience
- Bachelor of Design International (Architecture) (DE45) with a GPA of 4.5 or greater
- Bachelor of Design International (Architecture) (DE45) and six months relevant professional experience
- Bachelor of Design (Architectural Studies) (DE40).

You can also apply if you have a completed recognised 3-year architectural design bachelor program that leads to an AACA accredited course, with a GPA of 4.5 (or equivalent).

1-year program

Successful completion of QUT's DE42 Bachelor of Design (Honours) (Architectural Studies).

<u>Prior to 2023</u>, graduates of QUT's DE42 Bachelor of Design (Honours) (Architectural Studies) can progress into the Master of Architecture (DE80) one year program.

<u>From 2023</u>, graduates of QUT's DE42 Bachelor of Design (Honours) (Architectural Studies) can progress into the Master of Architecture (DE83) one year program.

International qualifications

A completed recognised 3-year architectural design bachelor program, with a GPA of 4.5 (or equivalent), and with approved portfolio of design work.

If you are applying on this basis, you must submit prior course information and a digital portfolio. Refer to the application and documentation requirements for details.

Application and documentation requirements

Your portfolio, prior course content and your academic transcripts will be assessed to determine if you have met the course learning outcomes comparable to QUT's Bachelor of Design (Honours) (Architectural Studies). Submit the following with your application:

- prior architecture course information, including course overview and subject syllabus in English.
- A digital portfolio, which must include: A minimum of 4 projects. Ensure that your architectural design abilities are well represented in the portfolio. Fully documented design projects with a proper set of plans, sections, elevations and perspectives (photos of models optional), for each project included. Samples of your university design assignments (architectural design projects) from the highest year levels of design studio that you have completed. The intent of the portfolio is to illustrate your highest level of skill development during



#### Master of Architecture (from 2022)

your previous studies.

Your portfolio should not include samples of design projects completed for professional work (university studies only).

Portfolios must be in English and submitted in digital form (preferably PDF) with your application.

#### Pathway options

If you do not satisfy entry requirements for the Master of Architecture, you may be considered for a pathway via the Bachelor of Design (Architecture), leading to the Master of Architecture.

#### Minimum English requirements

Students must meet the English proficiency requirements.

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

#### **Domestic Course structure**

To meet the course requirements for this course, you must complete a total of 192 credit points, made up of:

- four design studio units (24 credit points each)
- eight core units (12 credit points each).

The four design studio units form the cornerstone of this course and emphasise authentic learning by doing, collaborative approaches to knowledge building, and project-based approaches to learning.

#### **International Course** structure

To meet the course requirements for this course, you must complete a total of 192 credit points, made up of:

- four design studio units (24 credit points each)
- eight core units (12 credit points each).

The four design studio units form the cornerstone of this course and emphasise authentic learning by doing, collaborative approaches to knowledge building, and project-based approaches to learning.

#### **Sample Structure Semesters**

- February entry
- Year 1, Semester 1
- Year 1, Semester 2 Year 2, Semester 1
- Year 2, Semester 2
- July entry
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2

• Year 3, Semester 1		
Code	Title	
February	entry	
Year 1, S	emester 1	
DAN105	Complex Building Systems	
DAN111	Studio: Adaptable	
DYN102	Research Strategies in Design	
Year 1, S	emester 2	
DAN104	Advanced Building Science	
DAN112	Studio: Urban	
DYN106	Sustainable Urban Design: Approaches and Principles	
Year 2, S	emester 1	
DAN108	Contemporary Architectural Theory	
DYN203	Integrated Professional Practice	
DYN211	Studio: Communities	
Year 2, S	emester 2	
DAN212	Studio: Integrated	
DYN107	Decolonised Design	
DYN207	Management and Administration of Projects	
July entry		
	emester 2	
DAN104	Advanced Building Science	
DAN112	Studio: Urban	
DYN106	Sustainable Urban Design: Approaches and Principles	
Year 2, S	emester 1	
DAN105	Complex Building Systems	
DAN111	Studio: Adaptable	
DYN102	3	
Year 2, S	emester 2	
DAN212		
DYN107	Decolonised Design	
DYN207	Management and Administration of Projects	
Year 3, S	emester 1	
DAN108	Contemporary Architectural Theory	
DYN203	Integrated Professional Practice	
DYN211	Studio: Communities	



Year	2021
QUT code	EN50
CRICOS	060811A
Duration (full-time)	1 year
Duration (part-time)	2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$29,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$37,700 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 Marc Miska
Discipline Coordinator	Dr Dhammika Jayalath (Electrical), Dr Wim Dekkers (Mechanical) +61 7 3138 2000 askqut@qut.edu.au

#### **Domestic 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 meet the 'related engineering area' requirement:

- Aerospace
- · Aircraft Maintenance
- · Aviation, Automotive
- Biomedical
- · Chemical and Materials
- Chemical and Metallurgical
- Communication
- Computer
- Electrical
- Electronic
- · Electronic and Biomedical
- Energy
- Industrial
- Information and Communications Technology
- Instrumentation and Control
- Manufacturing
- Marine
- Maritime
- Materials
- Mechanical
- Mechatronic
- Medical
- Microelectronic
- Mining
- Naval Architecture
- Ocean
- Photonics
- Photovoltaic and Solar Energy
- Power
- Process
- Product Design
- Renewable Energy
- Robotic Software
- Telecommunications
- · Tool making
- Wireless

# International Entry requirements

Academic entry requirements
Electrical Engineering

A completed recognised four year fulltime Bachelor in an electrical engineering or related area with an overall grade point average of 4.0 (on QUT's 7-point scale); OR

A completed recognised three year fulltime Bachelor in an electrical engineering or related area with an overall grade point average of 4.0 (on QUT's 7-point scale) and two years full time professional work experience in Electrical Engineering. Students applying on the basis of work experience must submit a current curriculum vitae and employer statements detailing roles and responsibilities.

The following areas would meet the related area requirements for Electrical Engineering:

Aerospace, Communication, Computer, Electrical, Electronic, Electronic and Biomedical, Energy, Information and Communications Technology, Instrumentation and Control, Microelectronic, Photonics, Photovoltaic and Solar Energy, Power, Renewable Energy, Robotic Software, Telecommunications and wireless.

#### Mechanical Engineering

A completed recognised four year fulltime Bachelor in an Mechanical Engineering area\* with an overall grade point average of 4.0 (on QUT's 7-point scale); OR

A completed recognised three year full-time Bachelor in an Mechanical Engineering area\* with an overall grade point average of 4.0 (on QUT's 7-point scale) and two years full time professional work experience in Mechanical Engineering. Students applying on the basis of work experience must submit a current curriculum vitae and employer statements detailing roles and responsibilities.

The following areas would meet the 'related engineering area' requirement for mechanical Engineering: Aerospace, Aircraft Maintenance, Aviation, Automotive, Biomedical, Chemical and Materials, Chemical and Metallurgical, Industrial, Manufacturing, Marine, Maritime, Materials, Mechanical, Mechatronic, Medical, Mining, Naval Architecture, Ocean, Process, Product Design, Tool making.

# Minimum English requirements

Students must meet the English proficiency requirements.

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



#### **Course Structure**

To graduate with a Master of Engineering students are required to complete 96 credit points (8 units) of course units.

- a) 2 Core units + 2 Project units (of a specialisation area) + at least 3 electives with the same specialisation tag to claim Master of Engineering (Specialisation\*); 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 postprofessional qualification and, as such, is beyond the usual qualifications required for membership of professional organisations.

#### **Early Exit Options**

Please note: There is no early exit option available for students that enter the EN50 progam from 2015 onwards.

#### **Domestic Course structure**

To graduate with a Master of Engineering you are required to complete 96 credit points of course units consisting of:

60 credit points of core engineering postgraduate units, including advanced research skills and research based project units, a professional practice unit and an advanced discipline unit. Plus 36 credit points of advanced discipline and units from your specialisation (mechanical or electrical) to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area, as such you should select an alternate unit if you have completed a similar or equivalent unit in your previous studies.

### International Course structure

To graduate with a Master of Engineering you are required to complete 96 credit points of course units consisting of:

60 credit points of core engineering postgraduate units, including advanced research skills and research based project units, a professional practice unit and an advanced discipline unit. Plus 36 credit points of advanced discipline and units from your specialisation (mechanical or electrical) to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area, as such you should select an alternate unit if you have completed a similar or equivalent unit in your previous studies.

### Combined masters packages for international students

If you are admitted to either of:

- Master of Engineering and Master of Project Management package
- Master of Engineering Management and Master of Engineering package

You can progress to the second degree on completion of the first.

You will receive an award for each degree completed.

Refer to the combined package course structure of the relevant second year degree for unit details.

#### **International Student Entry**

You must maintain an enrolment program that will allow you to complete your course within the specified timeframe of your electronic Confirmation of Enrolment (eCoE)

#### **Sample Structure**

#### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- <u>Electrical Engineering Major Unit</u>
   <u>Options List</u>
- Mechanical Engineering Major Unit Options List

Code	Title
Year 1, S	emester 1
ENN541	Research Methods for Engineers
ENN590 -1	Project 1
PMN610	Project Management Principles
OP Floatrical/Machanical Engineering	

OR Electrical/Mechanical Engineering Major Option Unit

Electrical/Mechanical Engineering Major Option Unit

- P		
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

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	<u> </u>	
	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	
CONTRO	L SYSTEMS units:	
EGH445	Modern Control	
EGH446	Autonomous Systems	
ELECTRO	ONICS units:	
CAB420	Machine Learning	
EGB439	Advanced Robotics	
EGH449	Advanced Electronics	
EGH456	Embedded Systems	
	al Engineering Major Unit	
	ption units provide added depth	
	oth in your chosen discipline	
area, as such you should select an		
	unit if you have completed a	
similar or equivalent unit in your previous studies.		
•	CP (3 units) from the	
	al Engineering Unit Options	
EGB415	Motor Racing Vehicle Design	
EGB422	Energy Management	
EGB423	Heating, Ventilation and Air Conditioning	
EGB424	Advanced Computational Fluid Dynamics	
EGB434	Tribology	
EGB435	Advanced Manufacturing	
EGB436	Industrial Automation	
EGB485	Finite Element Analysis	
EGH420	Mechanical Systems Design	
EGH422	Advanced Thermodynamics	
ENN531	Advanced Materials and Engineering Applications	
ENN552	Solar Thermal Systems - Heat and Power	
ENN553	Energy Optimised Buildings and Communities	
alternate	IN552 & ENN553 available in years of each other	
FNN533	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**

- <u>Combined Masters Program Year</u> 2
- EN50 Study Plan for BN87 Master of Engineering Management Graduates
- <u>Electrical Engineering Major Unit</u>
   Options List

<ul> <li>Mechanical Engineering Major Unit Options List</li> <li>Additional Unit Selections List</li> </ul>		
Code	Title	
Combine	d 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, S	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, S	Semester 2	
ENN590 -2	Project 2	
ENN543	Data Analytics and Optimisation	
Option ur options lis	nit - select from your major unit st	
Mid Year	Entry	
Year 2, S	Semester 2	
ENN590 -1	Project 1	
ENN543	Data Analytics and Optimisation	
Option unit - select from your major unit options list		
Year 3, S	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	
[EOLIA40 D		

[EGH440 Power Systems Analysis (disc 31/12/2018) will still count as a Power Unit Option if already completed.]

NETWORKS AND COMMUNICATIONS UNITS:

RF Techniques and

EGH442	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

Mactor	or Engineering		
ELECTRO	ONICS UNITS		
CAB420	Machine Learning		
EGB439	Advanced Robotics		
EGH449	Advanced Electronics		
EGH456	Embedded Systems		
Mechanic Options L	cal Engineering Major Unit ist		
	CP (3 units) from the cal Engineering Unit Options		
EGB415	Motor Racing Vehicle Design		
EGB422	Energy Management		
EGB423	Heating, Ventilation and Air Conditioning		
EGB424	Advanced Computational Fluid Dynamics		
EGB434	Tribology		
EGB435	Advanced Manufacturing		
EGB436	Industrial Automation		
EGB485	Finite Element Analysis		
EGH420	Mechanical Systems Design		
EGH422	Advanced Thermodynamics		
ENN531	Advanced Materials and Engineering Applications		
ENN533	Advanced Engineering Design and Maintenance		
ENN552	Solar Thermal Systems - Heat and Power		
ENN553	Energy Optimised Buildings and Communities		
Note: EN	N552 and ENN553 available in		

Note: ENN552 and ENN553 available in alternate years of each other

#### Additional Unit Selections List

International students on the BN87 + EN50 pathway may request an additional unit from the list below. Please contact the faculty sef.enquiry@qut.edu.au to arrange for your selection to be added to your study plan.

PMN503	Systems in Project Management	
PMN608	Managing the Project	
MGN44 2	Self Leadership	
IFN515	Fundamentals of Business Process Management	



#### Master of Professional Engineering

Year	2021
QUT code	EN55
CRICOS	096754G
Duration (full-time domestic)	1.5 - 2 years
Duration (full-time international)	2 years
Duration (part-time domestic)	3 - 4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$31,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$38,400 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 Marc Miska

# International Entry requirements

# Minimum English requirements

Students must meet the English proficiency requirements.

#### **Domestic Course structure**

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

- 84 credit points of core units, including: advanced research skills and research-based project unitstwo professional practice unitsan advanced discipline unitan engineering design unit
- 108 credit points of discipline units from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.

### International Course structure

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

- 84 credit points of core units, including: advanced research skills and research-based project unitstwo professional practice unitsan advanced discipline unitan engineering design unit
- 108 credit points of discipline units from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.





Year	2021
QUT code	EN55
CRICOS	096754G
Duration (full-time domestic)	1.5 - 2 years
Duration (full-time international)	2 years
Duration (part-time domestic)	3 - 4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$31,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$38,400 per year full-time (96 credit points)
Total credit points	192
Credit points full-time sem.	48
Credit points part-time sem.	24
Course Coordinator	Dr Marc Miska
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

#### **Domestic Entry requirements**

Depending on your previous study, you may be admitted to either a 1.5-year or 2-year program. You don't need to apply separately for the 1.5 year program. You'll be automatically assessed for eligibility as part of our admissions process.

# Civil, civil and construction, and civil and management streams - 1.5-year program

You'll need:

 a completed, recognised four-year full-time equivalent bachelor degree in civil engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

#### Civil stream - 2-year program

You'll need a completed, recognised fulltime equivalent of either:

- a three-year bachelor degree in civil engineering or engineering technology (in civil engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale)
- a four-year bachelor degree in any engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

# Civil and construction stream - 2-year program

You'll need a completed, recognised 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 constr

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 fulltime equivalent of either:

- a three-year bachelor degree in civil engineering or engineering technology (in civil engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale)
- a four-year bachelor degree in any engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

#### Civil and management stream - 2-year program

You'll need:

 a completed, recognised three- or four-year full-time equivalent bachelor degree in civil engineering or engineering technology (in civil engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale).

# Minimum English requirements

Students must meet the English proficiency requirements.

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

#### **Domestic Course structure**

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

- 84 credit points of core units, including: advanced research skills and research-based project unitstwo professional practice unitsan advanced discipline unitan engineering design unit
- 108 credit points of discipline units



from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.

#### **International Course** structure

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

- · 84 credit points of core units, including: advanced research skills and research-based project unitstwo professional practice unitsan advanced discipline unitan engineering design unit
- 108 credit points of discipline units from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.

#### Sample Structure **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Select 108CP (9 units) from the Civil **Engineering Unit Options List**

Code	Title	
Year 1, 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		

OIVII)			
PMN610	is completed)		
Discipline Option Unit			
Year 2, S	emester 1		
ENN541	Research Methods for Engineers		
ENN592 -1	Project 1		
Discipline Option Unit			
Discipline	Option Unit		
Year 2, S	emester 2		
ENN543	Data Analytics and Optimisation		
ENN592 -2	Project 2		
Discipline	Option Unit		
	Option Unit		
	8CP (9 units) from the Civil		
	ng Unit Options List		
EGB473	Composite Structures		
EGB475	Advanced Structural Analysis		
EGB476	Advanced Steel Design		
EGB479	Advanced Transport Engineering		
EGB481	Infrastructure Asset Management		
EGB482	Contracting and Construction Regulations		
EGB485	Finite Element Analysis		
EGB486	Bridge Engineering		
EGB489	Advanced Transport Modelling		
EGH471	Advanced Water Engineering		
EGH472	Advanced Highway and Pavement Engineering		
EGH473	Advanced Geotechnical Engineering		
EGH475	Advanced Concrete Structures		

#### **Semesters**

Code Title

- Year 1, Semester 1
- Year 1, Semester 2 Year 2, Semester 1
- Year 2, Semester 2
- Select 48CP (4 units) Mandatory for Civil and Construction
- Select 60CP (5 units) from the Civil and Construction Unit Options List

Jour	1100	
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	
EGH479	Practice	
PMN610	Project Management Principles	
	oline Option Unit (select only if	
	is completed)	
	m Mandatory Units List	
Year 2, S	emester 1	
ENN541	Research Methods for Engineers	
ENN592 -1	Project 1	
Select fro	m Mandatory Units List	
Discipline	Option Unit	
Year 2, S	emester 2	
ENN543	Data Analytics and	
	Optimisation	
ENN592 -2	Project 2	
Select fro	m Mandatory Units List	
Discipline	Option Unit	
	CP (4 units) Mandatory for Civil	
and Cons		
ENN510	Engineering Knowledge Management	
UXH411	Programming and Scheduling	
Select eit	her:	
ENN530	Asset and Facility Management	
OR		
ENN515	Total Quality Management	
[ENN530	and ENN515 are alternate unit	
options.]		
Select eit	her:	
UXH410	Strategic Construction Management	
OR	_	
EGB482	Contracting and Construction Regulations	
IUXH410	and EGB482 are alternate unit	
options.]		
Select 60	CP (5 units) from the Civil and	
	tion Unit Options List	
EGB482	Contracting and Construction Regulations	
EGB479	Advanced Transport Engineering	
EGB475	Advanced Structural Analysis	
EGB486	Bridge Engineering	
	3 33	



Engineering

Advanced Transport

Advanced Highway and

**Pavement Engineering** Advanced Geotechnical

Modelling

EGB489

**EGH472** 

**EGH473** 

#### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Select 24CP (2 units) from the **Engineering Management Unit** Options List 1
- Select 24CP (2 units) from the **Engineering Management Unit** Options List 2
- Select 60CP (5 units) from the Civil **Strand Options List**

Code	Title	
Year 1, S	emester 1	
PMN610	Project Management Principles	
OR Discip	oline Option Unit	
Discipline	Option Unit	
	Option Unit	
Discipline	Option Unit	
Year 1, S	emester 2	
ENN544	Sustainable Practice in Engineering	
EGH479	Advances in Civil Engineering Practice	
PMN610	Project Management Principles	
	oline Option Unit (select only if is completed)	
Discipline	Option Unit	
Year 2, S	emester 1	
ENN541	Research Methods for Engineers	
Discipline	Option Unit	
ENN593 -1	Project 1	
Discipline	Option Unit	
Year 2, S	emester 2	
ENN570	Enterprise Resource Planning	
ENN593 -2	Project 2	
Discipline	Option Unit	
Discipline	Option Unit	
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 24	CP (2 units) from the	
	ing Management Unit Options	
AMN430	International Logistics Management	
ENN510	Engineering Knowledge Management	

ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN40 9	Management Theory and Practice
MGN44 1	Coaching for Leadership Development
MGN50 5	Consulting and Change Management
PMN504	People and Projects
PMN601	Projects and Performance
	CP (5 units) from the Civil
Strand O	otions List
EGB473	Composite Structures
EGB475	Advanced Structural Analysis
EGB476	Advanced Steel Design
EGB479	Advanced Transport Engineering
EGB481	Infrastructure Asset Management
EGB482	Contracting and Construction Regulations
EGB485	Finite Element Analysis
EGB486	Bridge Engineering
EGB489	Advanced Transport Modelling
EGH471	Advanced Water Engineering
EGH472	Advanced Highway and Pavement Engineering
EGH473	Advanced Geotechnical Engineering
EGH475	Advanced Concrete Structures

#### **Semesters**

Code Title

- Year 1, Semester 1
- Year 1, Semester 2Year 2, Semester 1
- Select 60CP (5 units) from Civil **Engineering Unit Options List 1**

Year 1, Semester 1		
PMN610	Project Management Principles	
ENN541	Research Methods for Engineers	
Discipline 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	Project 2
_	Option Unit
•	Option Unit
•	Option Unit
	CP (5 units) from Civil ng Unit Options List 1
EGB473	Composite Structures
EGB475	Advanced Structural Analysis
EGB476	Advanced Steel Design
EGB479	Advanced Transport Engineering
EGB481	Infrastructure Asset Management
EGB482	Contracting and Construction Regulations
EGB485	Finite Element Analysis
EGB486	Bridge Engineering
EGB489	Advanced Transport Modelling
EGH471	Advanced Water Engineering
EGH472	Advanced Highway and Pavement Engineering
EGH473	Advanced Geotechnical Engineering
EGH475	Advanced Concrete Structures

#### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2Year 2, Semester 1
- Select 48CP (4 units) Mandatory for Civil and Construction
- Select 12CP (1 unit) from the Civil and Construction Unit Options List

Code	Title	
Year 1, S	emester 1	
PMN610	Project Management Principles	
ENN541	Research Methods for Engineers	
Select from Mandatory Units List		
Select from Mandatory Units List		
Year 1, S	emester 2	
EGH479	Advances in Civil Engineering Practice	
ENN544	Sustainable Practice in Engineering	
ENN543	Data Analytics and Optimisation	
ENN592 -1	Project 1	
Year 2, Semester 1		
ENN592 -2	Project 2	
Select from Mandatory Units List		
Select from Mandatory Units List		



Madto	or r releccional Engineerii	
Discipline Option Unit		
	CP (4 units) Mandatory for Civil	
and Cons		
ENN510	Engineering Knowledge Management	
UXH411	Programming and Scheduling	
Select eit	her:	
ENN530	Asset and Facility Management	
OR		
ENN515	Total Quality Management	
[ENN530 and ENN515 are alternate unit options.]		
Select eit	her:	
UXH410	Strategic Construction Management	
OR		
EGB482	Contracting and Construction Regulations	
[UXH410 and EGB482 are alternate unit options.]		
	CP (1 unit) from the Civil and tion Unit Options List	
EGB482	Contracting and Construction Regulations	
EGB479	Advanced Transport Engineering	
EGB475	Advanced Structural Analysis	
EGB486	Bridge Engineering	
EGB489	Advanced Transport Modelling	
EGH472	Advanced Highway and Pavement Engineering	
EGH473	Advanced Geotechnical	

#### **Semesters**

• Year 1, Semester 1

Engineering

- Year 1, Semester 2
- Year 2, Semester 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, S	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
	emester 1
ENN593	
-2	Project 2
-	Option Unit
	Option Unit
	Option Unit CP (2 units) from the
	ng Management Unit Options
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
	CP (2 units) from the ng Management Unit Options
AMN430	International Logistics Management
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN40 9	Management Theory and Practice
MGN44 1	Coaching for Leadership Development
MGN50 5	Consulting and Change Management
PMN504	People and Projects
PMN601	Projects and Performance
	CP (1 units) from the Civil otions List
EGB473	Composite Structures
EGB475	Advanced Structural Analysis
EGB476	Advanced Steel Design
EGB479	Advanced Transport Engineering
EGB481	Infrastructure Asset Management
EGB482	Contracting and Construction Regulations
EGB485	Finite Element Analysis
EGB486	Bridge Engineering
EGB489	Advanced Transport Modelling
EGH471	Advanced Water Engineering
EGH472	Advanced Highway and Pavement Engineering
EGH473	Advanced Geotechnical Engineering
EGH475	Advanced Concrete

Structures





Year	2021
QUT code	EN55
CRICOS	096754G
Duration (full-time domestic)	1.5 - 2 years
Duration (full-time international)	2 years
Duration (part-time domestic)	3 - 4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$31,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$38,400 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 Marc Miska
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

#### Domestic Entry requirements Electrical major - 1.5-year program

A recognised four-year full-time (or equivalent) bachelor degree in the electrical engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

### Electrical major - 2-year program

- A recognised three-year full-time (or equivalent) bachelor degree of engineering or engineering technology in the electrical engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale); or
- A recognised four-year full-time (or equivalent) bachelor degree in any other engineering discipline with a minimum GPA of 4.0 or higher (on QUT's 7 point scale).

### Electrical and management major - 1.5-year program

A recognised four-year full-time (or equivalent) bachelor degree in the electrical engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

### Electrical and management stream - 2-year program

A recognised three-year full-time (or equivalent) bachelor degree of engineering or engineering technology in the electrical 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 Testing System)	English Language
Overall	6.5
Listening	6.0
Reading	6.0
Writing	6.0
Speaking	6.0

#### **Domestic Course structure**

To graduate with a 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

Title

Code

Select 108CP (9 units) from across the range of specialist areas:

Year 1, S	emester 1	
EGB340	Design and Practice	
Discipline	Option Unit	
Discipline	Option Unit	
Discipline	Option Unit	
Year 1, S	emester 2	
ENN544	Sustainable Practice in Engineering	
PMN610	Project Management Principles	
OR Discip	oline Option Unit	
Discipline	Option Unit	
Discipline	Option Unit	
Year 2, S	emester 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, S	emester 2	
ENN543	Data Analytics and Optimisation	
ENN592 -2	Project 2	
Discipline Option Unit		
Discipline Option Unit		

Select 108CP (9 units) from across the

The units are grouped in areas to assist you in focusing your studies. You can

choose units from across the areas.

range of specialist areas:

POWER	units:
EGH441	Power System Modelling
EGH448	Power Electronics
EGH454	Power Systems Management with Renewable & Storage Resources
	has been discontinued and with EGH454
NETWOF units:	RKS AND COMMUNICATIONS
EGH442	RF Techniques and Applications
EGH443	Advanced Telecommunications
EGH444	Digital Signals and Image Processing
ENN523	Advanced Network Engineering
ENN524	Mobile Network Engineering
CONTRO	L SYSTEMS units:
EGH445	Modern Control
EGH446	Autonomous Systems
EGH450	Advanced Unmanned Aircraft Systems
ELECTRO	ONICS units:
CAB420	Machine Learning
EGB439	Advanced Robotics
EGH449	Advanced Electronics
EGH456	Embedded Systems
Semesters	

Code

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

Title

- Year 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**

real 1, belliester 1			
EGB340	Design and Practice		
Discipline Option Unit			
Discipline	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 Discip	oline Option Unit	
ENN593 -1	Project 1	
Discipline	Option Unit	
Year 2, S	emester 2	
ENN570	Enterprise Resource Planning	
ENN593 -2	Project 2	
Discipline	Option Unit	
Discipline	Option Unit	
Select 24	CP (2 units) from the	
Engineeri List 1	ing Management Unit Options	
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	
MGN44 1	Coaching for Leadership Development	
MGN50 5	Consulting and Change Management	
PMN504	People and Projects	
PMN601	Projects and Performance	
Select 60	CP (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
_		has been discontinued and with EGH454

**NETWORKS AND COMMUNICATIONS** 

	EGH442	RF Techniques and Applications
	EGH443	Advanced Telecommunications
	EGH444	Digital Signals and Image

	Processing	
ENN523	Advanced Network	
LIVIVOZO	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, S	emester 1	
EGB340	Design and Practice	
PMN610	Project Management Principles	
OR Discip	oline Option Unit	
Discipline	Option Unit	
Discipline	Option Unit	
Year 1, S	emester 2	
ENN541	Research Methods for Engineers	
ENN543	Data Analytics and Optimisation	
ENN544	Sustainable Practice in Engineering	
ENN592 -1	Project 1	
Year 2, S	emester 1	
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		
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:	
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**

Code

Title Year 1, Semester 1

EGB340 Design and Practice

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1Select 24CP (2 units) from the **Engineering Management Unit** Options List 1
- Select 24CP (2 units) from the **Engineering Management Unit** Options List 2
- Select 12CP (1 unit) from the **Electrical Strand Option List**

	_
PMN610	Project Management Principles
OR Discipline Option Unit	
Discipline	Option Unit
Discipline	Option Unit
Year 1, S	emester 2
ENN541	Research Methods for Engineers
ENN544	Sustainable Practice in Engineering
ENN570	Enterprise Resource Planning
ENN593 -1	Project 1
Year 2, S	emester 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	
MGN40	Management Theory and	
9	Management Theory and Practice	
MGN44 1	Coaching for Leadership Development	
MGN50 5	Consulting and Change Management	
PMN504	People and Projects	
PMN601	Projects and Performance	
Select 12CP (1 unit) from the Electrical		
Strand O	otion List	
Strand Op The units you in foo	are grouped in areas to assist cusing your studies. You can	
Strand Op The units you in foo	are grouped in areas to assist cusing your studies. You can nits from across the areas.	
Strand Op The units you in foo choose up	are grouped in areas to assist cusing your studies. You can nits from across the areas.	
Strand Op The units you in foo choose un POWER I EGH441	are grouped in areas to assist cusing your studies. You can nits from across the areas.	
Strand Op The units you in foo choose un POWER I EGH441	are grouped in areas to assist cusing your studies. You can nits from across the areas.  units:  Power System Modelling	
Strand Op The units you in foo choose un POWER EGH441 EGH448 EGH454	are grouped in areas to assist cusing your studies. You can nits from across the areas. units:  Power System Modelling Power Electronics Power Systems Management with Renewable & Storage Resources has been discontinued and	
Strand Op The units you in foo choose un POWER ( EGH441 EGH448 EGH454 EGH440 replaced ( NETWOR	are grouped in areas to assist cusing your studies. You can nits from across the areas. units:  Power System Modelling  Power Electronics  Power Systems Management with Renewable & Storage Resources	
Strand Op The units you in foo choose un POWER 1 EGH441 EGH448 EGH454	are grouped in areas to assist cusing your studies. You can nits from across the areas.  units:  Power System Modelling  Power Electronics  Power Systems Management with Renewable & Storage Resources has been discontinued and with EGH454	
Strand Op The units you in foo choose un POWER of EGH441 EGH448 EGH454 EGH440 replaced of NETWOF units:	are grouped in areas to assist cusing your studies. You can nits from across the areas.  units:  Power System Modelling Power Electronics Power Systems Management with Renewable & Storage Resources has been discontinued and with EGH454 RKS AND COMMUNICATIONS  RF Techniques and Applications Advanced	
Strand Op The units you in foo choose un POWER ( EGH441 EGH448 EGH444 EGH440 replaced ( NETWOF units:	are grouped in areas to assist susing your studies. You can nits from across the areas.  units:  Power System Modelling  Power Electronics  Power Systems Management with Renewable & Storage Resources has been discontinued and with EGH454  RKS AND COMMUNICATIONS  RF Techniques and Applications  Advanced Telecommunications  Digital Signals and Image	
Strand Op The units you in foo choose un POWER of EGH441 EGH448 EGH454 EGH440 replaced NETWOR units: EGH442 EGH442	are grouped in areas to assist susing your studies. You can nits from across the areas.  units:  Power System Modelling  Power Electronics  Power Systems Management with Renewable & Storage Resources has been discontinued and with EGH454  RKS AND COMMUNICATIONS  RF Techniques and Applications  Advanced Telecommunications  Digital Signals and Image Processing  Advanced Network	
Strand Op The units you in foo choose un POWER ( EGH441 EGH448 EGH444 EGH440 replaced ( NETWOR units: EGH442 EGH443 EGH444	are grouped in areas to assist susing your studies. You can nits from across the areas. units:  Power System Modelling Power Electronics Power Systems Management with Renewable & Storage Resources has been discontinued and with EGH454 RKS AND COMMUNICATIONS  RF Techniques and Applications Advanced Telecommunications Digital Signals and Image Processing	
Strand Op The units you in foo choose un POWER ( EGH441 EGH448 EGH444 EGH440 replaced ( NETWOR units: EGH442 EGH444 EGH444 EGH444 ENN523 ENN524	are grouped in areas to assist susing your studies. You can nits from across the areas. units:  Power System Modelling Power Electronics Power Systems Management with Renewable & Storage Resources has been discontinued and with EGH454 RKS AND COMMUNICATIONS  RF Techniques and Applications Advanced Telecommunications Digital Signals and Image Processing Advanced Network Engineering	
Strand Op The units you in foo choose un POWER ( EGH441 EGH448 EGH444 EGH440 replaced ( NETWOR units: EGH442 EGH444 EGH444 EGH444 ENN523 ENN524	are grouped in areas to assist susing your studies. You can nits from across the areas.  units:  Power System Modelling Power Electronics Power Systems Management with Renewable & Storage Resources has been discontinued and with EGH454 RKS AND COMMUNICATIONS  RF Techniques and Applications Advanced Telecommunications Digital Signals and Image Processing Advanced Network Engineering Mobile Network Engineering	
Strand Op The units you in foo choose un POWER I EGH441 EGH448 EGH454 EGH454 EGH440 replaced of units: EGH442 EGH443 EGH444 ENN523 ENN524 CONTRO	are grouped in areas to assist susing your studies. You can nits from across the areas.  units:  Power System Modelling  Power Electronics  Power Systems Management with Renewable & Storage Resources has been discontinued and with EGH454  RKS AND COMMUNICATIONS  RF Techniques and Applications  Advanced Telecommunications  Digital Signals and Image Processing  Advanced Network Engineering  Mobile Network Engineering  L SYSTEMS units:	
Strand Op The units you in foo choose un POWER ( EGH441 EGH448 EGH454 EGH440 replaced of NETWOR units: EGH442 EGH443 EGH444 ENN523 ENN524 CONTRO EGH445	are grouped in areas to assist susing your studies. You can nits from across the areas. units:  Power System Modelling  Power Electronics  Power Systems Management with Renewable & Storage Resources has been discontinued and with EGH454  RKS AND COMMUNICATIONS  RF Techniques and Applications  Advanced Telecommunications  Digital Signals and Image Processing  Advanced Network Engineering  Mobile Network Engineering  DL SYSTEMS units:  Modern Control	



**ELECTRONICS** unit:

CAB420	Machine Learning
EGB439	Advanced Robotics
EGH449	Advanced Electronics
EGH456	Embedded Systems





Year	2021
QUT code	EN55
CRICOS	096754G
Duration (full-time domestic)	1.5 - 2 years
Duration (full-time international)	2 years
Duration (part-time domestic)	3 - 4 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$31,000 per year full-time (96 credit points)
International fee (indicative)	2021: \$38,400 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 Marc Miska
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

### Domestic Entry requirements Mechanical major - 1.5-year program

A recognised four-year full-time (or equivalent) bachelor degree in the mechanical engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

## Mechanical major - 2-year program

- A recognised three-year full-time (or equivalent) bachelor degree of engineering or engineering technology in the mechanical engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale); or
- A recognised four-year full-time (or equivalent) bachelor degree in any other engineering discipline with a minimum GPA of 4.0 or higher (on QUT's 7 point scale).

# Mechanical and management major - 1.5-year program

A recognised four-year full-time (or equivalent) bachelor degree in the mechanical engineering discipline with a minimum GPA of 4.0 (on QUT's 7 point scale).

# Mechanical and management stream - 2-year program

A recognised three-year full-time (or equivalent) bachelor degree of engineering or engineering technology in the mechanical engineering discipline 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 fulltime equivalent of either:

 a three-year bachelor degree in mechanical engineering or engineering technology (in mechanical engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale)  a four-year bachelor degree in any engineering discipline with a minimum GPA of 4.0 or higher (on QUT's 7 point scale).

# Mechanical and management stream - 2-year program

You'll need:

 a completed recognised three- or four-year full-time bachelor degree in mechanical engineering or engineering technology (in mechanical engineering) with a minimum GPA of 4.0 (on QUT's 7 point scale).

# Minimum English requirements

Students must meet the English proficiency requirements.

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

#### **Domestic Course structure**

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

- 84 credit points of core units, including: advanced research skills and research-based project unitstwo professional practice unitsan advanced discipline unitan engineering design unit
- 108 credit points of discipline units from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.

# International Course structure

To graduate with a Master of Professional Engineering you must complete 192 credit points of course units consisting of:

 84 credit points of core units, including: advanced research skills and research-based project unitstwo professional practice unitsan



- advanced discipline unitan engineering design unit
- 108 credit points of discipline units from your specialisation, to be selected from a list of options.

Option units provide added depth and breadth in your chosen discipline area. You should select different unit if you have completed a similar or equivalent unit in your previous studies.

You are also required to undertake 60 days of approved work experience in the engineering environment as part of your Work Integrated Learning.

### Sample Structure **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1 Year 2, Semester 2
- Select 72CP (6 units) from the Mechanical Engineering Unit Options List 1
- Select 36CP (3 units) from the Mechanical Engineering Unit Options List 2

Code	Title	
Year 1, S	emester 1	
EGB316	Design of Machine Elements	
Discipline	Option Unit	
Discipline	Option Unit	
Discipline	Option Unit	
Year 1, Semester 2		
ENN544	Sustainable Practice in Engineering	
PMN610	Project Management Principles	
OR Discip	oline Option Unit	
Discipline	Option Unit	
Discipline	Option Unit	
Year 2, S	emester 1	
ENN541	Research Methods for Engineers	
ENN592 -1	Project 1	
PMN610	Project Management Principles	
OR Discip	oline Option Unit	
Discipline	Option Unit	
Year 2, S	emester 2	
ENN543	Data Analytics and Optimisation	
ENN592 -2	Project 2	
Discipline	Option Unit	
Discipline Option Unit		
	CP (6 units) from the al Engineering Unit Options	

iviecnan	icai)	
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		
	te years of each other	
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		
Semesters		

- Year 1, Semester 1Year 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, S	emester 2
ENN544	Sustainable Practice in Engineering
PMN610	Project Management Principles
OR Discip	oline Option Unit
Discipline	Option Unit
Discipline	Option Unit
Year 2, S	emester 1
ENN541	Research Methods for Engineers
PMN610	Project Management Principles
OR Discir	oline Option Unit
ENN593	Project 1
Discipline	Option Unit
Year 2, S	emester 2
ENN570	Enterprise Resource Planning
ENN593 -2	Project 2
	Option Unit
	Option Unit
	CP (2 units) from the ng Management Unit Options
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
	CP (2 units) from the
Engineeri List 2	ng Management Unit Options
AMN430	International Logistics Management
ENN510	Engineering Knowledge Management
ENN515	Total Quality Management
ENN530	Asset and Facility Management
MGN40 9	Management Theory and Practice
MGN44 1	Coaching for Leadership Development
MGN50 5	Consulting and Change Management
PMN504	People and Projects
PMN601	Projects and Performance
	CP (5 units) from the
	al Strand Option List
EGB415 EGB422	Motor Racing Vehicle Design
EGB422	Energy Management Heating, Ventilation and Air
EGB424	Conditioning 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
EGH463 Plant and Process Design option not available from 1/2020	
*Note: ENN552 and ENN553 available in alternate years of each other	

#### **Semesters**

- Year 1, Semester 1
- Year 1, Semester 2Year 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, S	emester 2
ENN541	Research Methods for Engineers
ENN543	Data Analytics and Optimisation
ENN544	Sustainable Practice in Engineering
ENN592 -1	Project 1
Year 2, S	emester 1
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
EGH463	Plant and Process Design
ENN531	Advanced Materials and Engineering Applications
ENN552	Solar Thermal Systems - Hea
ENN553	Energy Optimised Buildings and Communities
*Note: ENN552 and ENN553 available in alternate years of each other Select 36CP (3 units) from the	
Mechanic List 2	cal Engineering Unit Options
EGH414	Stress Analysis
EGH420	Mechanical Systems Design
EGH421	Vibration and Control
	Advanced Thermodynamics
EGH422	Advanced memodynamics
EGH422 EGH423	Fluids Dynamics
	•
EGH423	Fluids Dynamics
EGH423 EGH463	Fluids Dynamics Plant and Process Design Advanced Materials and Engineering Applications Solar Thermal Systems - Hea and Power
EGH423 EGH463 ENN531	Fluids Dynamics Plant and Process Design Advanced Materials and Engineering Applications Solar Thermal Systems - Hea

#### **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, S	emester 1
EGB316	Design of Machine Elements

DMANICAC	Project Management	
PMN610	Principles	
OR Discip	oline Option Unit	
Discipline	Option Unit	
Discipline	Option Unit	
Year 1, S	emester 2	
ENINE 44	Research Methods for	
ENN541	Engineers	
ENN544	Sustainable Practice in	
	Engineering	
ENN570	Enterprise Resource Planning	
ENN593	Project 1	
-1 Vac: 0. C		
Year 2, S	emester i	
ENN593 -2	Project 2	
DMANICAC	Project Management	
PMN610	Principles	
OR Discip	oline Option Unit	
Discipline	Option Unit	
Discipline	Option Unit	
Select 24	CP (2 units) from the	
Engineeri	ng Management Unit Options	
List 1		
ENN510	Engineering Knowledge	
EINING TO	Management	
ENN515	Total Quality Management	
ENN530	Asset and Facility	
Calast 04	Management	
	CP (2 units) from the	
Engineering Management Unit Options List 2		
	International Logistics	
AMN430	Management	
ENN510	Engineering Knowledge	
EINING TO	Management	
ENN515	Total Quality Management	
ENN530	Asset and Facility Management	
MGN40	Management Theory and	
9	Practice	
MGN44	Coaching for Leadership	
1	Development	
MGN50	Consulting and Change	
5	Management	
PMN504	People and Projects	
PMN601	Projects and Performance	
	CP (1 unit) from the	
	al Strand Option List	
EGB415	Motor Racing Vehicle Design	
EGB422	Energy Management	
EGB423	Heating, Ventilation and Air Conditioning	
	Advanced Computational	
EGB424	Fluid Dynamics	
EGB434	Tribology	
EGB435	Advanced Manufacturing	



EGB436	Industrial Automation	
EGB485	Finite Element Analysis	
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	
EGH463 Plant and Process Design		
option not available from 1/2020		
Note: ENN552 and ENN553 available in aternate years of each other		



Year	2021
QUT code	PM20
CRICOS	084927B
Duration (full-time domestic)	1.5 - 1 years
Duration (full-time international)	1.5 years
Duration (part-time domestic)	3 - 2 years
Campus	Gardens Point
Domestic fee (indicative)	2021: \$23,100 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,500 per year full-time (96 credit points)
Total credit points	144
Credit points full-time sem.	48
Start months	July, February February and July - 1 year program July - 1.5 year program
Int. Start Months	July, February February and July - 1 year program July - 1.5 year program
Course Coordinator	Dr Madhav Nepal
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

### **Domestic Entry requirements** 1.5 year program (July start)

- A recognised bachelor degree (or higher) in engineering, built environment or business; or
- A recognised bachelor degree (or higher) in any discipline and at least 6 months (full-time or equivalent) professional project management work experience; or
- A 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 equivalent) professional project or program management work experience.

### 1 year program (February or July start)

- A recognised bachelor honours degree (or higher) in project management, engineering, built environment or business; or
- A recognised bachelor honours degree (or higher) in any other discipline and at least six months (full time equivalent) professional project management work experience; or
- Successful completion of QUT's <u>Graduate Certificate in Project</u> <u>Management</u> course. Units completed in the graduate certificate are credited to the masters degree (total 1.5 years duration).

You will be automatically assessed for eligibility to the one year program as part of QUT's application for admission process.

# International Entry requirements

Academic entry requirements
1.5 year program

February: Not available for commencement

July: 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

February and July : 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 <u>Graduate Certificate in</u> <u>Communication for Engineering</u> with a minimum grade point average of 4.0 (on QUT's 7 point scale).

# Minimum English requirements

Students must meet the English proficiency requirements.

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



Reading	6.0
Writing	6.0
Speaking	6.0

#### **Course Overview**

The QUT Master of Project Management is designed for Project Managers and project management cognate professionals from a wide range of industries; including engineering and the resources sector.

With this course you will gain the advanced discipline knowledge and skills to lead and project manage large and complex projects across multiple industry sectors.

Designed to offer flexible study choices, the course content is available in a variety of blended learning delivery modes including online, face to face on campus and block learning. See the Study Choices information below for more detail on how you can study this course.

#### **Course Design**

The MPM is designed around a set of core project management topics that underpin the knowledge required for the more advanced discipline units. The course will provide you with the critical skills to apply advanced knowledge of contemporary project management research and practice, and creatively solve complex project management problems. You will learn to communicate effectively within various social, cultural and professional contexts across and within stakeholder and discipline groups. You will demonstrate leadership, effective management and co-ordination of project teams and be able to work independently, ethically and collaboratively.

The course structure consists of 144 credit points (12 units) arranged as follows:

1) 48 credit points (4 units) of core project management units:

Two of these units should be completed in this order: PMN501 Project Management Essentials 1, in the first half of the semester, followed by PMN502 Project Management Essentials 2 in the second half of the semester.

2) 96 credit points (8 units) of core advanced discipline units:

Your skills and knowledge are developed through the advanced discipline and 'Project Investigation' units and further honed in PMN608 Managing the Project, the capstone unit. PMN608 should be

taken in the last semester of study.

#### **Study Choices**

You can study PMN501, PMN502, PMN503 and PMN504 in the Master of Project Management internally on campus at Gardens Point or externally Online. When you self-enrol in a unit you must select from the list of attendance modes available that matches how you wish to study that unit. If you select the online study mode for a unit, your studies will all take place electronically, off campus. If you select to study a unit internally, you will be required to attend scheduled classes on campus.

#### Studying On Campus (Internally)

There are different ways you can study some project management units internally. You will be able to identify which type of internal study is offered when you self-enrol in a unit. If a unit is described as 'Internal' this typically indicates a standard delivery mode where classes will be scheduled each week for the duration of the specified teaching period. If a unit is described as Internal Block Mode, this indicates that it will be delivered in an intensive learning mode, such as whole day or weekend sessions or seminars. Please ensure you check your session dates.

# Special Course Requirements

Students wishing to undertake units through online study will require the necessary technology to facilitate this mode of study.

#### Pathways to Further Study

The QUT Master of Project Management is located at Level 9 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Doctoral level studies.

# **International Combined Masters Packages**

Students admitted to a combined masters pathway (BN87 + PM20 or EN50 + PM20) may progress to their second degree on completion of the first, and are referred to the combined package study plan for their chosen combination, available on the course websites. Separate awards are granted for each degree completed.

#### **Professional Membership**

Endorsed by the Australian Institute of Project Management (AIPM).

#### **Domestic Course structure**

The Master of Project Management is designed around a set of core project management topics that underpin the knowledge required for the more advanced discipline units. The course will provide you with the critical skills to apply advanced knowlege of contemporary project management research and practice and creatively solve complex project management problems. You will learn to communicate effectively within various social, cultural and professional contexts across and within stakeholder and discipline groups. You will demonstrate leadership, effective management and coordination of project teams and be able to work independently, ethically and collaboratively.

The course structure consists of 144 credit points (12 units) arranged as follows:

1) 48 credit points (4 units) of core foundation units.

Two of these units should be completed in this order: PMN501 Project Management Essentials 1, in the first half of the semester, followed by PMN502 Project Management Essentials 2 in the second half of the semester.

- 2) 48 credit points (4 units) of core project management units including research comprising investigation and project units (24cps) and a capstone unit (12cps).
- 3) 48 credit points (4 units) of advanced discipline units

Your skills and knowledge are developed though the advanced discipline and Project Investigation units and further honed in PMN608 Managing the Project, the capstone unit. PMN608 should be taken in the last semester of study.

### Pathways to further study

The QUT Master of Project Management is located at Level 9 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant doctoral level studies.

# International Course structure

The Master of Project Management is designed around a set of core project management topics that underpin the knowledge required for the more advanced discipline units. The course will provide you with the critical skills to apply advanced knowlege of contemporary



project management research and practice and creatively solve complex project management problems. You will learn to communicate effectively within 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 2 (July)
- Year 2, Semester 1
- Year 2, Semester 2

Code	Title	
Year 1, Semester 2 (July)		
PMN501	Project Management Essentials 1	
PMN502	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		

#### Year 2, Semester 1

PMN601 Projects and Performance
PMN603 Project Investigation 1

PMN504 People and Projects

Discipline Unit Option

Discipline Unit Option

### Year 2, Semester 2

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

Code Title

#### Not for BN87 or EN50 graduands.

Year 1, Semester 1		
PMN601	Projects and Performance	
PMN603	Project Investigation 1	
Discipline Unit Option		
Discipline Unit Option		
Year 1, Semester 2		
PMN606	Project Investigation 2	
PMN608	Managing the Project	
PMN608	Managing the Project is a captstone unit and should n the last semester of study.	
PMN608 be taken i	is a captstone unit and should	

#### Not for BN87 or EN50 graduands.

Code	Title	
Year 1, Semester 2 (July)		
PMN608	Managing the Project	
PMN603	Project Investigation 1	
Discipline Unit Option		
Discipline Unit Option		
Year 2, Semester 1		

PMN601 Projects and Performance
PMN606 Project Investigation 2
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 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	





Year	2021
QUT code	PQ20
Duration (full-time)	1.5 years
Domestic fee (indicative)	2021: \$23,100 per year full-time (96 credit points)
International fee (indicative)	2021: \$34,500 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	1300 110 918 help@qutonline.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 (o 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) professiona project management work experience; or
- completion of QUT's Graduate Certificate i 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	2021
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)	2021: \$26,800 - \$33,300 per year full-time if you exceed the maximum time under RTP
International fee (indicative)	2021: \$30,300 - \$36,800 per year full-time
Total credit points	144
Start months	December, November, October, September, August, July, June, May, April, March, February, January
Int. Start Months	December, November, October, September, August, July, June, May, April, March, February, January
Course Coordinator	
Discipline Coordinator	AskQUT +61 7 3138 2000 askqut@qut.edu.au

### **Domestic Entry requirements**

To be eligible for this course, you need either:

- a completed recognised bachelor honours degree in a discipline relevant to your intended area of study or
- a completed recognised bachelor degree or equivalent in a discipline relevant to your intended area of study with: a minimum grade point average (GPA) score of 5.00 (on QUT's 7 point scale)relevant professional and/or research experience (as determined by the faculty).

Applications and proposed research projects are subject to supervisor availability and resources available within the faculty.

# International Entry requirements

To be eligible for this course, you need either:

- a completed recognised bachelor honours degree in a discipline relevant to your intended area of study or
- a completed recognised bachelor degree or equivalent in a discipline relevant to your intended area of study with: a minimum grade point average (GPA) score of 5.00 (on QUT's 7 point scale)relevant professional and/or research experience (as determined by the faculty).

Applications and proposed research projects are subject to supervisor availability and resources available within the faculty.

# Minimum English requirements

Students must meet the English proficiency requirements.

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

### Domestic Course structure Mandatory units

You'll need to complete:

- a time-based thesis
- IFN001 Advanced Information

Research Skills.

You may need to complete other units that are recommended by your faculty, negotiated with you and based on the skills gaps identified in your research degree skills audit.

#### Study areas

Your faculty may have several specialisations (study areas) that your research will align with. This will appear on your testamur at graduation:

#### **Business**

- Master of Philosophy (Accountancy)
- Master of Philosophy (Advertising)
- Master of Philosophy (Economics)
- Master of Philosophy (Entrepreneurship and Innovation)
- Master of Philosophy (Finance)
- Master of Philosophy (Human Resource Management)
- Master of Philosophy (International Business)
- Master of Philosophy (Management)
- Master of Philosophy (Marketing)
- Master of Philosophy (Philanthropy and Nonprofit Studies)
- Master of Philosophy (Public Relations)

#### **Creative Industries**

- Master of Philosophy (Design)
- Master of Philosophy (Communication)
- Master of Philosophy (Creative Practice)

#### **Education**

• Master of Philosophy (Education)

#### Health

- Master of Philosophy (Biomedical Sciences)
- Master of Philosophy (Exercise Sciences)
- Master of Philosophy (Materiobiology)
- Master of Philosophy (Medical Radiations)
- Master of Philosophy (Nursing)
- Master of Philosophy (Nutrition and Dietetics)
- Master of Philosophy (Optometry)
- Master of Philosophy (Paramedicine)
- Master of Philosophy (Pharmacy)
- Master of Philosophy (Physical Education)
- Master of Philosophy (Podiatry)
- Master of Philosophy (Public Health)
- Master of Philosophy (Psychology)
- Master of Philosophy (Social Work)



### **Master of Philosophy**

#### Law

- Master of Philosophy (Law)
- Master of Philosophy (Justice)

#### Science and Engineering

- Master of Philosophy (Engineering)
- Master of Philosophy (Information Technology)
- Master of Philosophy (Magnetic Resonance in Medicine)
- Master of Philosophy (Mathematics)
- Master of Philosophy (Science)
- Master of Philosophy (Urban Development)

# **International Course** structure

#### **Mandatory units**

You'll need to complete:

- a time-based thesis
- IFN001 Advanced Information Research Skills.

You may need to complete other units that are recommended by your faculty, negotiated with you and based on the skills gaps identified in your research degree skills audit.

#### Study areas

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- Master of Philosophy (Communication)
- Master of Philosophy (Creative Practice)

#### Education

• Master of Philosophy (Education)

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- 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)
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- Master of Philosophy (Social Work)

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- Master of Philosophy (Law)
- Master of Philosophy (Justice)

#### **Science and Engineering**

- Master of Philosophy (Engineering)
- Master of Philosophy (Information Technology)
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- Master of Philosophy (Mathematics)
- Master of Philosophy (Science)
- Master of Philosophy (Urban Development)





### Doctor of Philosophy (Hosted by Faculty of Engineering)

Year	2021
QUT code	IF49
CRICOS	006367J
Duration (full-time domestic)	3 - 4 years
Duration (full-time international)	4 years
Campus	Kelvin Grove
Domestic fee (indicative)	2021: \$26,800 - \$33,300 per year full-time if you exceed the maximum time under RTP
International fee (indicative)	2021: \$30,300 - \$36,800 per year full-time
Total credit points	288
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	AskQUT +61 7 3138 2000 askqut@qut.edu.au

# **Domestic Entry requirements Academic entry requirements**

You must have either:

- a completed recognised relevant honours degree (first class or second class Division A) or equivalent
- a completed recognised masters degree or professional doctorate (by research or coursework)

Admission to the Doctor of Philosophy depends on an applicant's demonstrated research aptitude and the availability of supervision, infrastructure and resources needed for the proposed research project.

For more information on eligibility, read the <u>admission criteria for the Doctor of Philosophy (PDF, 98.5KB)</u>.

Once you've started your PhD, you'll need to complete your Stage 2 milestone to be fully admitted to your course. You'll usually complete this milestone within the first three months of study.

Masters and professional doctorate degrees by coursework must have a significant research component, normally not less than 25%. Holders of masters and professional doctorate by coursework must:

- have a minimum grade point average (GPA) score of 5.0 on QUT's 7 point scale; and
- present evidence of research experience and potential for approval

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# Minimum English requirements

Students must meet the 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 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.





### Bachelor of Design (Landscape Architecture) / Master of Landscape Architecture

Year	2021
QUT code	DV43
CRICOS	103171B
Duration (full-time)	4.5 years
Duration (part-time domestic)	9 years
Offer Guarantee	Yes
Domestic fee (indicative)	2021: CSP \$8,000 per year full-time (96 credit points) The Master of Landscape Architecture is charged as a domestic tuition fee-paying course. FEE-HELP is available to eligible students.
International fee (indicative)	2021: \$33,500 per year full-time (96 credit points)
Total credit points	432
Credit points full-time sem.	48
Credit points part-time sem.	24
Start months	July, February
Int. Start Months	July, February
Deferment	You can defer your offer and postpone the start of your course for one year.
Course Coordinator	Program Director, School of Design
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)

# Minimum English requirements

Students must meet the English proficiency requirements.

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

#### **Domestic Course structure**

This vertical double degree is made up of DV43 Bachelor of Design (Landscape Architecture) plus DE72 Master of Landscape Architecture. You will be able to progress on to the Master of Landscape Architecture upon successful completion of the bachelor degree. The full vertical double degree normally takes 4.5 years to complete full-time (3 years for the bachelor component plus 1.5 years for Master component).

To meet the course requirements for the Bachelor of Design (Landscape Architecture), you must complete a total of 288 credit points, made up of:

- a design major (144 credit points), including four shared foundation units (48 credit points) and 96 credit points from the landscape architecture discipline
- four school-wide impact lab units (48 credit points)
- four postgraduate landscape units (48 credit points)
- complementary studies, made up of a minor, or a combination of design specialisation units and electives (unit options) (48 credit points).

To meet the course requirements for the Master of Landscape Architecture, you must complete a total of 192 credit points, made up of:

 thirteen core units (192 credit points). Three of these units (72 credit points) are 24-credit-point Studio units. Note: The four postgraduate landscape units completed in DV43 Bachelor of Design will contribute to the Master of Landscape Architecture leaving nine core units (144 credit points) remaining.

Some units may be offered fully online or online with a face-to-face component.

#### Study overseas

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

Overseas study can be for one or two semesters (or during the semester break) and the units you take can be in a creative or non-creative discipline area, depending on how they match with your QUT course.

### International Course structure

This vertical double degree is made up of DV43 Bachelor of Design (Landscape Architecture) plus DE72 Master of Landscape Architecture. You will be able to progress on to the Master of Landscape Architecture upon successful completion of the bachelor degree. The full vertical double degree normally takes 4.5 years to complete full-time (3 years for the bachelor component plus 1.5 years for Master component).

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### Bachelor of Design (Landscape Architecture) / Master of Landscape Architecture

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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**

- Semester 1 (February) commencements
- DV43 Bachelor of Design component
- Year 1, Semester 1
- Year 1, Semester 2
- Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- **DE72 Master of Landscape** Architecture component
- Year 4, Semester 1
- Year 4, Semester 2
- Year 5, Semester 1
- Semester 2 (July) commencements
- DV43 Bachelor of Design component
- Year 1, Semester 2 Year 2, Semester 1
- Year 2, Semester 2
- Year 3, Semester 1
- Year 3, Semester 2
- Year 4, Semester 1
- **DE72 Master of Landscape** Architecture component
- Year 4, Semester 2
- Year 5, Semester 1
- Year 5, Semester 2

Code	Title	
Semester	1 (February) commencements	
DV43 Bachelor of Design component		
Year 1, S	emester 1	
DLB101	Landscape Studio 1	
DYB101	Impact Lab 1: Place	
DYB111	Create and Represent: Form	
DYB112	Spatial Materiality	
Year 1, S	emester 2	
DLB102	Landscape Studio 2	
DYB102	Impact Lab 2: People	
DYB113	Create and Represent: Materials	
DYB114	Spatial Histories	
Note: Stu	dents considering studying	

overseas in Year 2 Semester 2 must apply by 1 November.

#### Year 2, Semester 1

	DLB201	Techniques
	DLB202	Landscape, People and Place Studio

Landform Toobnology and

A Complementary Studies unit A Complementary Studies unit

#### Year 2, Semester 2

DLB204	Planting Design
DYB201	Impact Lab 3: Planet

A Complementary Studies unit

A Complementary Studies unit

#### Year 3, 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
DLN103	Plants for Urban and Natural Systems
DYN102	Research Strategies in Design

#### Year 3, Semester 2

	DLB302	Constructs
	DLB303	Resilient Landscapes Studio
	DLN108	Planning and Policy for Contemporary Issues
	DYN107	Decolonised Design

Landscane Materiality and

At the end of Year 3 Semester 2, upon successful completion of DV43 Bachelor of Design, you will receive an offer for DE72 Master of Landscape Architecture

DE72 Master of Landscape Architecture component

#### Year 4, Semester 1

DLN101	Landscape Histories and Criticism
DLN104	Critical Ecologies
DLN111	Studio: Climate-Responsive Design
DYN203	Integrated Professional Practice
Voor / Somostor 2	

#### Year 4, Semester 2

DLN115	Studio: Urban Spaces
DYN106	Sustainable Urban Design: Approaches and Principles
DYN207	Management and Administration of Projects

#### Year 5, Semester 1 N NO4E Studios Advanced Dreeties

DV43 Bachelor of Design component	
Semester 2 (July) commencements	
DYN211	Studio: Communities
DLINZ 13	Studio. Advanced Fractice

#### Year 1, Semester 2

	Impact Lab 1: Place
DYB113	Create and Represent:
	Materials

DYB114 | Spatial Histories

A Complementary Studies unit

#### Year 2, Semester 1

DLB101	Landscape Studio 1
DYB102	Impact Lab 2: People
DYB111	Create and Represent: Form

**DYB112** Spatial Materiality

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

#### Year 2, Semester 2

DLB102	Landscape Studio 2
DLB204	Planting Design
DYB201	Impact Lab 3: Planet
A O I I OI I' 'I	

A Complementary Studies unit

#### Year 3, Semester 1

DLB201	Landform, Technology and Techniques
DLB202	Landscape, People and Place Studio

A Complementary Studies unit

A Complementary Studies unit

### Year 3, Semester 2

DLB302	Landscape Materiality and Constructs
DLB303	Resilient Landscapes Studio

Planning and Policy for **DLN108** Contemporary Issues

DYN107 Decolonised Design

#### Year 4, Semester 1

DLB301 Landscape Ecology

One unit from the Impact Lab Unit Options List (DYB301, KKB341, KKB350 or UXB301):

DYB301	Impact Lab 4: Purpose
KKB341	Work Integrated Learning 1
KKDOEO	One office bedrockets a Oficely T

KKB350 Creative Industries Study Tour UXB301 Professional Practice

Plants for Urban and Natural **DLN103** Systems

DYN102 Research Strategies in Design

At the end of Year 4 Semester 1, upon successful completion of DV43 Bachelor of Design, you will receive an offer to DE72 Master for Landscape Architecture

DE72 Master of Landscape Architecture component

#### Year 4, Semester 2

DLN115 DYN106	DLN115	Studio: Urban Spaces
	Sustainable Urban Design:	
	Approaches and Principles	

Management and **DYN207** 



### Bachelor of Design (Landscape Architecture) / Master of Landscape Architecture

	Administration of Projects	
Year 5, S	ear 5, Semester 1	
DLN101	Landscape Histories and Criticism	
DLN104	Critical Ecologies	
DLN111	Studio: Climate-Responsive Design	
DYN203	Integrated Professional Practice	
Year 5, Semester 2		
DLN215	Studio: Advanced Practice	
DYN211	Studio: Communities	

