



THE UNIVERSITY  
OF QUEENSLAND  
AUSTRALIA

CREATE CHANGE

Bachelor of

# Engineering (Honours)

First Year Program Guide 2020



# Welcome

Welcome to the Faculty of Engineering, Architecture and Information Technology.



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**ENGG1500 Coordinator**  
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BE(Hons), PhD, GCEd



We're here to help.

# Contents

Use the checklist and work your way through the guide.

<b>Step 1</b>	<input type="checkbox"/> What's on - update your diary	<ul style="list-style-type: none"> <li>- Compulsory: Project Day</li> <li>- Academic Advice Seminar</li> <li>- Parents and Partners Evening</li> <li>- O-Week activities</li> </ul>	4
<b>Step 2</b>	<input type="checkbox"/> Complete the quiz ( <b>Deadline 24 February</b> ) and Academic Integrity Tutorial ( <b>Deadline 6 March</b> )		5
<b>Step 3</b>	<input type="checkbox"/> Plan ahead	BE (Hons) <ul style="list-style-type: none"> <li>- Choosing a Major</li> <li>- Dual Degrees</li> </ul>	6, 7
<b>Step 4</b>	<input type="checkbox"/> Choose your courses		8
<b>Step 5</b>	<input type="checkbox"/> Choose your ENGG1100 project		12
<b>Step 6</b>	<input type="checkbox"/> How to enrol		14
<b>Step 7</b>	<input type="checkbox"/> Class Allocation (Allocate+)		15
<b>Step 8</b>	<input type="checkbox"/> FAQs for 1st Year		16

## Read up on more information

Compulsory BE (Hons) requirement	18
BE (Hons)/ME	18
Academic advice	18
Student employability	19
Studying overseas	19
Scholarships & prizes	19
The First Year Engineering Mentor Program	19
Memberships & Student societies	20
Equity & diversity	21
Do you need help?	22
Terminology explained	22

# Step 1

# What's on

Seek advice on your timetable, attend a workshop, get orientated!



## FYELC (First Year Engineering Learning Centre) Timetable Support Sessions

Get one-on-one advice.  
Bring your timetable with you.



## Bachelor of Engineering (Hons) Welcome and Advice Seminar

An essential academic advice seminar followed by the opportunity to speak to an academic for specific advice.



**Must attend one session.**

	Monday	Tuesday	Wednesday	Thursday	Friday
Jan	13	14	15	16	17 Bachelor of Engineering (Hons) Welcome and Program Information Session 1.30–3pm (49-200) FYELC Timetable Support Session (Allocate+) 3–4pm (49-301)
	20 FYELC Timetable Support Session (Allocate+) 10am–2pm (50–C201)	21 FYELC Timetable Support Session (Allocate+) 2–5pm (50–C201)	22	23	24
	27	28	29 FYELC Timetable Support Session (Allocate+) 10am–2pm (50–C201)	30 FYELC Timetable Support Session (Allocate+) 2–5pm (50–C201)	31
	3	4	5	6 Bachelor of Engineering (Hons) Welcome and Program Information Session 10am–12pm (49-200) FYELC Timetable Support Session (Allocate+) 12–3pm (50–C201)	7
O-Week					
Feb	17	18 Bachelor of Engineering (Hons) Welcome and Program Information Session 3–4pm (49-200) Academic Advice, Timetable Support Session, BBQ, EUS, Societies, Industry and EAIT Tours 4–5pm (49–Level 3) Parents and Partners Information Session 5–6pm (50–C207)	19 Let's get you started workshop 10am–12pm (50–C207)	20 First Year Students BE (Hons) Project Day 8.30am–3pm (27A, Exhibition Hall) Lunch provided. Dietary requirements? Please email: Yr1Eng@uq.edu.au by 9 February 2020. <b>Compulsory for all first year be (Hons) students</b>	21 International First Year BE (Hons) Orientation 8am–3pm (50–C207) Lunch provided. Dietary requirements? Please email: Yr1Eng@uq.edu.au by 9 February 2020. <b>Compulsory for all international students</b>
	24	25	26 Market Day 10am–2pm The Great Court	27	28

For further information go to: [uq.edu.au/orientation](http://uq.edu.au/orientation)

## Step 2

# Compulsory Quiz

Find out your strengths. Review the knowledge you need.

Students entering the first year of engineering bring different levels of knowledge and experience. Some have studied Maths C, Physics and Chemistry whilst others may have only studied one of these subjects.

In addition, there can be variation in the curricula offered by domestic and international schools. This can mean that some students may have skill sets that require additional support to assist with their transition to university.

The information gained through the **Get Set Quiz** is used in a number of ways:

- The overall cohort knowledge is fed back to first year lecturers so they can tailor their lectures appropriately;
- An individual report is generated indicating where you may need to do some revision and directing you to relevant resources;
- You will become aware of the knowledge expectations for first year engineering and can revise accordingly;
- You may also find that the information helps with selecting your courses.

Results are not used for assessment purposes.

1. Grab a pen and paper.
2. Go to: [eait.uq.edu.au/preparation](http://eait.uq.edu.au/preparation)
3. Log on using your UQ login and password and follow the prompts.

63% who completed last year's Quiz had a GPA > 5.  
GPA = Grade Point Average;  
4 = Pass, 7= High distinction

86% who completed the 2019 Quiz passed all their courses.

## Academic Integrity Tutorial

Get a head start.  
Complete the Academic Integrity Tutorial.

It's **compulsory** for ENGG1100.  
Go to [eait.uq.edu.au/preparation](http://eait.uq.edu.au/preparation)



# Step 3

# Plan ahead



## Need help choosing a major?

Book an appointment with your first year BE (Hons) academic advisor.

Call 07 3346 7881.

## Choosing a Major

For your BE (Hons) you must attain 64 units. Most courses are worth 2 units. If you do 4 courses a Semester, that's 8 units a Semester, or 16 units a year, so the BE (Hons) is a four year program.

There are three methods of specialisation in Engineering: Single Major, Dual Major and Extended Major (see table).

You need to think carefully about your choice, as it will affect the number and type of electives you can select.

You can choose 'Flexible First Year' in your first year. The first year of engineering is designed to help you make this choice.

If you are in the BE (Hons) or dual, you can apply to change to the BE (Hons) / ME after completing 16 units (one year). See [eit.uq.edu.au/be-me](http://eit.uq.edu.au/be-me)

Extended and Dual Majors have specific requirements.

Please visit [uq.edu.au/study](http://uq.edu.au/study) for further details.

Major	BE (Hons)			BE (Hons) / ME
	Single Major	Dual Major	Extended Major	Field of Study
	*52-64 units	60 units	*60-64 units	80 units
Chemical	☑		☑	☑
Chemical & Biological		☑		☑
Chemical & Environmental		☑		☑
Chemical & Materials		☑		☑
Chemical & Metallurgical		☑		☑
Civil	☑		☑	☑
Civil & Environmental		☑		
Civil & Fire Safety				☑
Civil & Geotechnical		☑		
Electrical	☑		☑	☑
Electrical & Biomedical		☑		☑
Electrical & Computer		☑		☑
Mechanical	☑		☑	☑
Mechanical & Aerospace		☑		☑
Mechanical & Materials		☑		☑
Mechatronic			☑	☑
Mining	☑		☑	
Mining & Geotechnical		☑		
Software	☑		☑	☑

\*From a specified list – Refer [uq.edu.au/study](http://uq.edu.au/study)



## Dual Degree Programs

Dual Degree programs give you the opportunity to broaden your education and experience. However, you will need to plan your degree in full now so things go smoothly.

Dual degrees are not available with the integrated BE(Hons)/ME  
– this is already a combination of two degrees.

Dual Degree		BE (Hons) / BA BE (Hons) / BBusMan BE (Hons) / BCom	BE (Hons) / BBioTech	BE (Hons) / BEcon	BE (Hons) / BInfTech / BE (Hons) / BCompSc	BE (Hons) / BSc*	BE (Hons) / BMath
Duration (years)		5.5	5.5	5.5	5.5	5	5
Size of Dual Degree (units)		88	88	88	88	80	80
		56 / 32	52 / 36	52 / 36	54-62/ 34-26	62 / 18	60 / 20
	Major type	Allowable combinations:					
Chemical	Single	☑	☑	☑	☑	☑	☑
	Extended					☑	☑
Chemical & Biological	Dual					☑	☑
Chemical & Environmental	Dual					☑	☑
Chemical & Materials	Dual					☑	☑
Chemical & Metallurgical	Dual					☑	☑
Civil	Single	☑		☑	☑	☑	☑
	Extended					☑	☑
Civil & Environmental	Dual					☑	☑
Civil & Geotechnical	Dual					☑	☑
Electrical	Single	☑		☑	☑	☑	☑
	Extended				☑	☑	☑
Electrical & Biomedical	Dual				☑	☑	☑
Electrical & Computer	Dual				☑	☑	☑
Mechanical	Single	☑		☑	☑	☑	☑
	Extended					☑	☑
Mechanical & Aerospace	Dual					☑	☑
Mechanical & Materials	Dual					☑	☑
Mechatronic	Extended				☑	☑	☑
Mining	Single	☑		☑	☑	☑	☑
	Extended					☑	☑
Mining & Geotechnical	Dual					☑	☑
Software	Single	☑		☑		☑	☑
	Extended					☑	☑

\* Not all BSc majors are possible with all BE (Hons) majors. For further advice, see your academic advisor.

**NOTE:** Only with the BE (Hons) /BSc or the BE (Hons) /BMath can you still choose any BE (Hons) Major, Extended Major, Dual Major or Major and Minor.

BA	Bachelor of Arts
BBiotech	Bachelor of Biotechnology
BBusMan	Bachelor of Business Management
BCom	Bachelor of Commerce
BCompSc	Bachelor of Computer Science
BEcon	Bachelor of Economics
BInfTech	Bachelor of Information Technology
BMath	Bachelor of Mathematics
BSc	Bachelor of Science

**BE (Hons) dual program students** cannot enrol in some courses. Specific restrictions apply to: ECON1050, ECON1310, STAT1201 and PHYS1001 as these courses are covered in the BE (Hons); you may not receive credit for them.

**BE (Hons) with BEcon, BBioTech, BInfTech, BCompSc,** please note: Students without Mathematics C and/or another high school prerequisite may be required to undertake preparatory courses beyond the 88 units, and may not be able to complete the program in the minimum time frame without overloading or undertaking summer study.

**What you need to do:**

Call (07) 3346 7881 to arrange an academic advisors appointment.

More info: [eait.uq.edu.au/be-dual-programs](http://eait.uq.edu.au/be-dual-programs)

# Step 4

# Choose your courses

First year engineering at UQ is a general foundation year. In second year, you declare your engineering major (e.g. Mechanical & Materials, Electrical etc.).



Use these two pages like a checklist and draft your semesters.



## WARNING

- Choosing courses is not simple! It requires careful planning.
- Attend an Advice Seminar and ask for help (page 4).
- Dual degrees are even more difficult (page 7).

### 1. Complete ALL of Part A:

Check Off

<input type="checkbox"/>	ENGG1100	<b>Engineering Design</b>	Semester 1
<input type="checkbox"/>	ENGG1200	<b>Engineering Modelling &amp; Problem Solving</b>	Semester 2
<input type="checkbox"/>	MATH1051 or MATH1071	<b>Calculus &amp; Linear Algebra I</b> Prerequisite: Maths C or MATH1050	Semester 1 if you have done Maths C (>SA) Semester 2 if you haven't done Maths C
<input type="checkbox"/>	MATH1052 or MATH1072	<b>Advanced Calculus and Linear Algebra</b> Prerequisite: At least 6 in MATH1050 or VHA in Year 12 Maths C	Semester 1 if you have done Math C (>HA)
<input type="checkbox"/>	MATH1052 or MATH1072	<b>Multivariate Calculus &amp; Ordinary Differential Equations</b> Prerequisite: Maths C or MATH1050	Semester 2 (or Summer Semester)
<input type="checkbox"/>	MATH1052 or MATH1072	<b>Advanced Multivariate Calculus &amp; Ordinary Differential Equations</b> Prerequisite: At least 6 in MATH1050 or VHA in Yr 12 Maths C (or equivalent)	Semester 2



**CHOOSE MATH1071/1072** if you are interested in advanced mathematics. A VHA in Math C is strongly recommended.

### 2. Complete at least one of Part B:

Check Off

<input type="checkbox"/>	ENGG1300	<b>Introduction to Electrical Systems</b> Recommended Prerequisites: Maths C & High School Physics	Semester 1 or 2
<input type="checkbox"/>	ENGG1400	<b>Statics and Dynamics</b> Prerequisite: Maths C (>SA) or MATH1050	Semester 1 if you have done Maths C (>SA) Semester 2 if you haven't done Maths C
<input type="checkbox"/>	ENGG1500	<b>Engineering Thermodynamics</b> Recommended Prerequisite: High School Physics or PHYS1171	Semester 1 or 2

**Prerequisite** = knowledge and skills required before taking the course. For example, you must have achieved greater than a Sound (SA) in Maths C at high school (or equivalent) before you enrol in MATH1051.



**International students are expected to maintain a full-time enrolment of 4 courses (8 units) per Semester and must seek academic advice before cancelling enrolment in any course.**



3. Complete high school make-up courses from **Part D** as relevant:

**You must complete MATH1050 if you have not completed Maths C (>SA) or equivalent.**

CHEM1090 and PHYS1171 are necessary if you are planning on doing a university level chemistry or physics course respectively and you did not complete a high school level course.

Check Off

<input type="checkbox"/>	CHEM1090	Introductory Chemistry = High School (Senior) Chemistry <b>*Not available if you have SA or higher in Senior Chemistry. You will need EAIT Faculty permission to enrol in CHEM1090.</b> (Email: enquiries@eait.uq.edu.au)	Semester 1
<input type="checkbox"/>	MATH1050	Mathematical Foundations = High School Maths C <b>*Not available if you have HA or higher in Maths C.</b>	Semester 1
<input type="checkbox"/>	PHYS1171	Physical Basis of Biological Systems = High School (Senior) Physics <b>*Not available if you have SA or higher in Senior Physics. You will need EAIT Faculty permission to enrol in PHYS1171.</b> (Email: enquiries@eait.uq.edu.au)	Semester 1 or 2

4. Select electives from **Part C** as applicable:

Check Off

<input type="checkbox"/>	BIOL1040	<b>Cells to Organisms</b>	Semester 2
<input type="checkbox"/>	CHEE1001	<b>Principles of Biological Engineering</b>	Semester 1 ONLY
<input type="checkbox"/>	CHEM1100	<b>Chemistry - Energetics &amp; Reactivity</b> Prerequisite: Senior Chemistry or CHEM1090	Semester 1 or 2
<input type="checkbox"/>	CSSE1001	<b>Introduction to Software Engineering</b>	Semester 1 or 2
<input type="checkbox"/>	ENGG1600	<b>Research - The Big Issues</b>	Semester 2 ONLY
<input type="checkbox"/>	ERTH1501	<b>Earth Processes &amp; Geological Materials for Engineers</b>	Semester 1 ONLY
<input type="checkbox"/>	PHYS1002	<b>Electromagnetism and Modern Physics</b> Prerequisite: Senior Physics or PHYS1171	Semester 1 if you have done Physics and Maths C Semester 2 if you haven't done Physics and Maths C



**NEED HELP?**  
See pages 10/11  
for discipline  
specific advice

Semester 1	
1.	<b>ENGG1100</b>
2.	
3.	
4.	

Semester 2	
1.	<b>ENGG1200</b>
2.	
3.	
4.	

# Step 4

To get into a 2nd year engineering discipline, you must have these courses:



'Flexible First Year' gives you the best flexibility if you don't know what you want to do yet.

Maths C: Completed & Achieved greater than Sound (SA)				Maths C: Not completed or Achieved Sound (SA) or less				
FLEXIBLE FIRST YEAR								
Sem 1	ENGG1100	MATH1051	ENGG1400	ENGG1300	ENGG1100	MATH1050	ENGG1300	ENGG1500
Sem 2	ENGG1200	MATH1052	ENGG1500	ELECTIVE	ENGG1200	MATH1051	MATH1052*	ENGG1400
<b>ELECTIVE</b>		<ol style="list-style-type: none"> <li>If you haven't done High School Physics take PHYS1171 in Semester 1 and ENGG1300 in Semester 2;</li> <li>If you haven't done High School Chemistry take CHEM1090 in Semester 1 and ENGG1300 in Semester 2;</li> <li>If you might be interested in any chemical engineering major, take CHEM1100; otherwise</li> <li>Choose an elective from Part C.</li> </ol>						

CHEMICAL – CHEMICAL & MATERIALS – CHEMICAL & METALLURGICAL CHEMICAL & ENVIRONMENTAL – CHEMICAL & FOOD (MINOR)								
Sem 1	ENGG1100	MATH1051	CHEM1100	ENGG1500	ENGG1100	MATH1050	ENGG1500	CHEM1100
Sem 2	ENGG1200	MATH1052	ELECTIVE	ELECTIVE	ENGG1200	MATH1051	MATH1052*	ELECTIVE

CHEMICAL & BIOLOGICAL								
Sem 1	ENGG1100	MATH1051	CHEM1100	CHEE1001	ENGG1100	MATH1050	CHEM1100	CHEE1001
Sem 2	ENGG1200	MATH1052	ENGG1500	ELECTIVE	ENGG1200	MATH1051	MATH1052*	ENGG1500
<b>ELECTIVE</b>		<ol style="list-style-type: none"> <li>If you haven't done High School Chemistry take CHEM1090 in Semester 1 and CHEM1100 in Semester 2;</li> <li>If you haven't done High School Physics take PHYS1171 in Semester 1 and ENGG1500 in Semester 2;</li> <li>Choose an elective from Part B – ENGG1300 or ENGG1400; otherwise</li> <li>For Chemical and Metallurgical Engineering: Choose an elective from Part C – EARTH1501 (Earth Processes &amp; Geological Materials for Engineers) Semester 1 only.</li> </ol>						

CIVIL - CIVIL & ENVIRONMENTAL - CIVIL & GEOTECHNICAL								
Sem 1	ENGG1100	MATH1051	ENGG1400	ELECTIVE	ENGG1100	MATH1050	ELECTIVE	ELECTIVE
Sem 2	ENGG1200	MATH1052	ELECTIVE	ELECTIVE	ENGG1200	MATH1051	MATH1052*	ENGG1400
<b>ELECTIVE</b>		<ol style="list-style-type: none"> <li>If you haven't done High School Physics take PHYS1171;</li> <li>For Civil and Environmental Engineering: Choose CHEM1090 (Introductory Chemistry) if you haven't done High School Chemistry; otherwise</li> <li>Choose an elective from Part B or C. Priority choices include: ENGG1500, EARTH1501 (Semester 1 only), CHEM1100 and CSSE1001.</li> </ol>						



**ERTH1501 is compulsory for Civil + Geotechnical – but can also be taken in 3rd year.**  
**ENGG1500 is compulsory for Civil + Environmental – but can also be taken in 3rd year.**

ELECTRICAL								
Sem 1	ENGG1100	MATH1051	ENGG1300	ELECTIVE	ENGG1100	MATH1050	ENGG1300	ELECTIVE
Sem 2	ENGG1200	MATH1052	CSSE1001	ELECTIVE	ENGG1200	MATH1051	MATH1052*	CSSE1001
<b>ELECTIVE</b>		<ol style="list-style-type: none"> <li>If you haven't done High School Physics take PHYS1171 in Semester 1, putting off ENGG1300 until Semester 2;</li> <li>Take PHYS1002; otherwise</li> <li>Choose an elective from Part B or Part C.</li> </ol>						

Maths C: Completed & Achieved greater than Sound (SA)				Maths C: Not completed or Achieved Sound (SA) or less				
ELECTRICAL & COMPUTER - ELECTRICAL & BIOMEDICAL								
Sem 1	ENGG1100	MATH1051	ENGG1300	CSSE1001	ENGG1100	MATH1050	ENGG1300	CSSE1001
Sem 2	ENGG1200	MATH1052	PHYS1002	ELECTIVE	ENGG1200	MATH1051	MATH1052*	PHYS1002
ELECTIVE	1. If you haven't done High School Physics take PHYS1171 in Semester 1, putting off ENGG1300 until Semester 2; otherwise 2. For Electrical and Computer Engineering: a Part B or Part C elective; and 3. For Electrical and Biomedical Engineering: Choose BIOL1020 (Genes, Cells & Evolution) or BIOL1040 (Cells to Organisms) or a Part B elective.							

MECHATRONIC								
Sem 1	ENGG1100	MATH1051	ENGG1300	CSSE1001	ENGG1100	MATH1050	ENGG1300	CSSE1001
Sem 2	ENGG1200	MATH1052	ENGG1400	ELECTIVE	ENGG1200	MATH1051	MATH1052*	ENGG1400
ELECTIVE	1. If you haven't done High School Physics take PHYS1171 in Semester 1, putting off ENGG1300 until Semester 2; otherwise 2. Choose a Part B or Part C elective.							

MECHANICAL - MECHANICAL & AEROSPACE - MECHANICAL & MATERIALS								
Sem 1	ENGG1100	MATH1051	ENGG1400	ELECTIVE	ENGG1100	MATH1050	ENGG1500	ENGG1300
Sem 2	ENGG1200	MATH1052	ENGG1300	ENGG1500	ENGG1200	MATH1051	MATH1052*	ENGG1400
ELECTIVE	1. If you haven't done High School Physics take PHYS1171 in Semester 1; 2. If you haven't done High School Chemistry take CHEM1090 in Semester 1; otherwise 3. Choose an elective from Part C.							

MINING - MINING & GEOTECHNICAL								
Sem 1	ENGG1100	MATH1051	ENGG1400	ERTH1501	ENGG1100	MATH1050	ERTH1501	ELECTIVE
Sem 2	ENGG1200	MATH1052	ELECTIVE	ELECTIVE	ENGG1200	MATH1051	MATH1052*	ENGG1400
ELECTIVE	1. If you haven't done High School Physics take PHYS1171 in Semester 1; 2. If you haven't done High School Chemistry take CHEM1090 in Semester 1; otherwise 3. Choose ENGG1300 (Compulsory for Mining); or 4. Choose ENGG1500 or an elective from Part C.							



If you have not completed High School Maths C and Physics, defer ENGG1300 to 2nd year.

SOFTWARE								
Sem 1	ENGG1100	MATH1051	ENGG1300	CSSE1001	ENGG1100	MATH1050	ENGG1300	CSSE1001
Sem 2	ENGG1200	MATH1052	ELECTIVE	ELECTIVE	ENGG1200	MATH1051	MATH1052*	ELECTIVE
ELECTIVE	1. Choose INFS1200 (Introduction to Information Systems) and/or MATH1061. 2. If you haven't done High School Physics take PHYS1171 in Semester 1, putting off ENGG1300 until Semester 2.							



\*If you achieve a grade of 4 in MATH1050, we strongly recommend that you don't attempt both MATH1051 and MATH1052 in Semester 2. Instead you can take MATH1052 in Summer Semester.

# Step 5

# Choose your ENGG1100 project

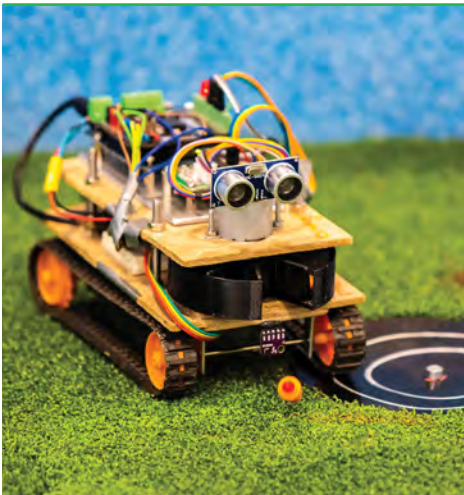


**2020 projects are likely to be different but will retain the essential flavour of the 2019 projects described here.**

**You have a choice of three projects in ENGG1100. Each incorporates different engineering disciplines, so choose a project that interests you.**

**Please note:** All projects are suitable for all engineering students. There is no expectation from any engineering school that you will have taken a project aligned with your 2nd year choice of discipline.

For project updates, please visit:  
[eait.uq.edu.au/first-year-eng-students](http://eait.uq.edu.au/first-year-eng-students)



## Project A: Autonomous Land Mine Sweeper

Motivated by a recent nuclear power plant failure, your team will design, build and demonstrate an autonomous and cost effective land-based search and recovery vehicle. Your craft will detect and recover radioactive material.

### Disciplines:

- Electrical
- Mechanical
- Mechatronic
- Mining
- Software

### For your timetable select:

- Practical Session P01, P02, P03, P04 or P09 (2 h/w)
- Seminar S01 (1 h/w)
- Lecture L01 or L02 (1 h/w)
- Workshop W01 or W02 (1 h/w)



## Project B: Water Treatment in Timor-Leste

The availability of water in Timor Leste, is highly dependent on the season with careful rationing required in the four-month dry season.

Your challenge is to design and prototype a simple, low cost treatment system that will produce drinking water from local river water when rainwater supplies run low.

### Disciplines:

- Chemical
- Biological
- Environmental
- Humanitarian
- Materials
- Mining

### For your timetable select:

- Practical Session P05, P06 or P10 (2 h/w)
- Seminar S02 (1 h/w)
- Lecture L01 or L02 (1 h/w)
- Workshop W01 or W02 (1 h/w)



## Project C: Movable Bridge

The Brisbane City Council is undertaking a large transformation in the Oxley Creek catchment that will enhance recreation opportunities whilst preserving the area's delicate ecology.

You are required to design and prototype an aesthetically-pleasing bridge that can be moved in times of flood.

### Disciplines:

- Civil/Structural
- Environmental
- Materials
- Mining

### For your timetable select:

- Practical Session P07 or P08 (2 h/w)
- Seminar S03 (1 h/w)
- Lecture L01 or L02 (1 h/w)
- Workshop W01 or W02 (1 h/w)

# Step 6

# How to enrol

We're so happy you're joining us at UQ!

To enrol in your courses, you'll use a system called **mySI-net**, which is the control centre for student administration at UQ.

Among other things, mySI-net lets you:

- enrol in courses
- drop courses
- update personal information.

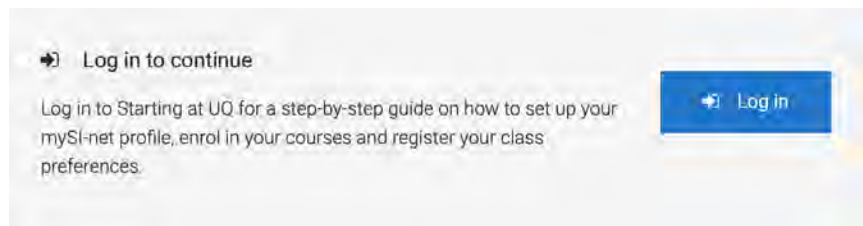
Once you've enrolled, you'll use a system called **My Timetable**. Through My Timetable you can register your preferred class times and then swap classes if you need to.

During your time at UQ, you'll always use mySI-net and My Timetable at the beginning of each semester.

You can access both mySI-net and My Timetable from the my.UQ Dashboard, your personalised portal to UQ systems and notifications.



**Keep Starting at UQ open in a separate window as you work through the 'Enrol' section.**



## Need help?

### Student Centre

JD Story Building (61) Level 1

**p** (07) 3365 2600

**w** [my.uq.edu.au/contact/student-centre](http://my.uq.edu.au/contact/student-centre)

### EAIT Faculty Office

Hawken Engineering Building (50-S204)

**e** [enquiries@eait.uq.edu.au](mailto:enquiries@eait.uq.edu.au)

**p** (07) 3365 4666

# Step 7

# Class Allocation (Allocate+)



See Step 5 for  
ENGG1100 project details

After you enrol, you'll need to select your preferred class times. You'll then be allocated to classes based on these preferences.

You need to think carefully about your choice, as it will affect the number and type of electives you can select.

For courses that offer multiple class times, you'll need to register your preferred times through *My Timetable* – our class allocation system.

Class allocation has 2 stages:

1. Class preferencing
2. Class adjustment.



Watch the video to learn how to review your timetable and make adjustments: [my.uq.edu.au/node/212/3#3](https://my.uq.edu.au/node/212/3#3)

## Class preferencing

The class preferencing window opens about 4 weeks before the semester begins and closes about a week later – check the Academic Calendar for the exact dates. During this time, you'll need to select your preferred class times for each of your courses.

You don't have to rush to select your preferences – the system only begins allocating students to classes once the preferencing window has closed.

Watch the video to learn how to select your preferences: [my.uq.edu.au/node/212/3#3](https://my.uq.edu.au/node/212/3#3)



### NEED HELP?

Come to a FYELC Support Session (See page 4)



**NOTE:** If there are no suitable class times available, contact the relevant faculty or school for advice.

[eait.mytimetable@uq.edu.au](mailto:eait.mytimetable@uq.edu.au)

## Class adjustment

Once the system has created your timetable, class adjustment begins! Check the Academic Calendar for the exact date and time.

During the class adjustment stage you can:

- review your allocated timetable
- swap class times if there's a space available
- add your name to a waitlist to swap
- allocate yourself to classes you missed during the class preferencing stage.
- Try to review your timetable as soon as you can. The earlier you swap or waitlist, the better chance you have of getting the timetable you want.

## Class allocation help

If there are no suitable class times available, contact the relevant faculty or school for advice. They'll be listed as the 'coordinating unit' in your course profile. To access a course profile from My Timetable, select the relevant information icon in the side menu.

## Viewing your finished timetable

Once you've been allocated to all your required classes, select the 'Timetable' tab in My Timetable to see your finalised timetable for the semester.

If your timetable changes slightly from Week 1 to Week 2, don't worry – some courses don't schedule tutorials for Week 1, or every week.

Check this timetable regularly before semester starts: depending on how many students enrol in your course, there might be changes to room venues or class times.

# Step 8

# FAQs for 1st Year

## FYELC

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What is the <b>FYELC</b> ?	First Year Engineering Learning Centre (50-C201) = space for you Go to: <a href="http://eait.uq.edu.au/first-year-learning-centre">eait.uq.edu.au/first-year-learning-centre</a>
Can I <b>eat and drink</b> in the FYELC?	Yes – but you are expected to keep the place clean and tidy.
<b>What else</b> can I do in the FYELC?	<ul style="list-style-type: none"><li>- Access 10 dedicated FYELC tutors for first year engineering courses Each tutor covers multiple engineering courses and are available: <b>Weeks 2 – 13</b> Monday – Friday</li><li>- Meet your first year engineering mentors (Orientation to Week 2)</li><li>- Borrow a laptop (Monday – Friday 9am–3pm)</li><li>- Book the FYELC Booths (Monday – Friday 9am–4pm)</li><li>- Arrange first year academic advisor appointments</li><li>- Heat up your lunch, refill your water bottle</li><li>- Find out about the latest engineering events</li></ul>

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## Tips

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<b>Work</b>	We recommend less than 10 hours a week paid work for full time students
<b>Student Email</b>	Remember to check your student emails regularly See <a href="http://its.uq.edu.au/services/student-email">its.uq.edu.au/services/student-email</a> for details
How should I manage my <b>time</b> ?	<ul style="list-style-type: none"><li>- Read dates carefully as not all practicals/seminars and tutorials are weekly.</li><li>- Each course in engineering expects you to do about 10 to 12 hours per week, including contact time. For example, for MATH1051 there are three 1 hour lectures, a 1 hour tutorial and a 1 hour practical each week leaving 5-7 hours of study. (Allow 2 hours for every hour of face-to-face contact.)</li><li>- Put together a semester and weekly schedule.</li><li>- Start each course by understanding how the course is structured, the requirements, learning resources and when the assessments are due. Course profiles: <a href="http://my.uq.edu.au/programs-courses">my.uq.edu.au/programs-courses</a></li><li>- BE ACTIVE! Attend all lectures, practicals and tutorials – checkout Facebook groups for your courses – participate in learning activities – practice problems – revise and review your work. And if in doubt, ask!</li><li>- Utilise all of the learning resources available to you, such as:<ul style="list-style-type: none"><li>• Course tutors</li><li>• FYELC tutors</li><li>• Online tutorials</li><li>• PASS classes</li><li>• Learning workshops: <a href="http://uq.edu.au/student-services/learning">uq.edu.au/student-services/learning</a></li></ul></li></ul>

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## Semester 1 CRITICAL DATES

<b>24 February</b>	Classes commence – YES, WE START IN WEEK 1! (Monday 25 February 2019)
<b>6 March</b>	Last day to add courses
<b>31 March</b>	Last day to drop courses without financial liability
<b>30 April</b>	Last day to drop courses without academic penalty

What happens if **I don't turn up** for a lecture or tutorial?

- You will need to catch up; talk to your peers and look on Blackboard for what you've missed. If it's a compulsory session, you can lose marks for not attending. Contact your course coordinator for assistance.
- Blackboard – [learn.uq.edu.au](http://learn.uq.edu.au)
- Contacts – [uq.edu.au/contacts](http://uq.edu.au/contacts)

Where do I hand in my **assignments**?

Read the course profile: Some submissions will be to the tutor, some online, and some will need a cover sheet for submission to the EAIT Faculty Assignment Centre chute (50-S203, opposite the FYELC).  
Go to: [eait.uq.edu.au/current-engineering-students](http://eait.uq.edu.au/current-engineering-students)

What if my assignment is **late**?

There are only two allowable reasons: Medical (medical certificate required) and exceptional circumstances. Contact your course coordinator to discuss – the earlier the better.

Do I need to have my own **laptop**?

You can borrow a laptop in the FYELC from 9am–4pm, but you cannot take it outside. Ensure you have a USB flash drive clearly labelled with your student ID to store your work.

If you are planning on buying a laptop, tablet, external storage or software please go to: [student.eait.uq.edu.au/new-student.html](http://student.eait.uq.edu.au/new-student.html)

**Tag & Testing?** All electrical equipment used within UQ (laptops, chargers etc) must be tested for electrical safety.

Timetable: [eait.uq.edu.au/workshops/test-tag-sessions](http://eait.uq.edu.au/workshops/test-tag-sessions)

What **calculator** can I use?

- For many engineering courses, you will need an approved nonprogrammable calculator for use in exams. You will need to obtain an approval label from Student Centre (JD Story Building, level 1) prior to an exam.
- Over 100 calculator models have already been approved for use in exams (Casio FX82 range is preferred). Go to: [uq.edu.au/myadvisor/exam-calculators](http://uq.edu.au/myadvisor/exam-calculators)



**IMPORTANT DATES – For Commencing and Continuing Students (Academic Calendar, Teaching Periods, Summer Semester):**  
[uq.edu.au/startingatuq/important-dates](http://uq.edu.au/startingatuq/important-dates)



**Save your money and don't carry on with courses you have 'given up on'.**  
**But you must formally withdraw:**

- **By the end of March so you aren't charged \$\$ for the course**
- **By the end of April so you don't lower your GPA**



# Further Information

## Compulsory Engineering Professional Practice (EPP) Milestone

All Bachelor of Engineering (Honours), Bachelor of Engineering (Honours)/Master of Engineering and Master of Engineering students must complete 450 hours of Engineering Professional Practice (EPP) and submit five (5) EPP reflections. This is a compulsory milestone and must be fulfilled before graduation.

Of the 450 EPP hours, at least 225 hours must be carried out in an engineering environment assisting or under the supervision of a professional engineer (type A). The remaining hours can be made up of a range of allowable professional practice activities.

For more details see:

[eait.uq.edu.au/engineering-professional-practice/overview](http://eait.uq.edu.au/engineering-professional-practice/overview)

## BE (Hons)/ME

The Bachelor of Engineering (Hons) and Master of Engineering (BE(Hons)/ME) is the first five-year engineering degree in Australia to integrate a semester industry or research placement into a degree with Masters-level coursework.

BE(Hons)/ME graduates will have a head start in careers that require specialist skills and adaptability (eg. in consulting, corporate/government advising or industrial research) or when applying for research higher degrees at the world's top institutions.

If you're in the BE(Hons) or BE(Hons) dual degree – you can apply to change to the BE(Hons)/ME after completing 16 units (1 year).

For further information, please go to:

[eait.uq.edu.au/be-me](http://eait.uq.edu.au/be-me)

## Academic advice

First Year Academic Advisor  
Email: [Yr1eng@uq.edu.au](mailto:Yr1eng@uq.edu.au)  
Phone: +61 7 3346 7881

EAIT advisors are happy to answer your questions and provide advice on:

- Credit from previous study
- Late addition of a course
- Withdrawing from a program or course
- Enrolling in more than 8 units per semester
- Deferred examinations
- Supplementary assessments
- EAIT Graduation assessment
- Unsatisfactory Academic Progress and Show cause Applications

Full details of engineering academic advisors can be located at:

[eait.uq.edu.au/eng-academic-advice](http://eait.uq.edu.au/eng-academic-advice)

## Student employability

The EAIT Student Employability Team offers a range of services to help you build your employability skills and become industry ready. Our services include:

- Guidance and support for the compulsory Engineering Professional Practice (EPP) requirement
- Workshops on planning your job search strategy, job applications, resumes, cover letters, interviews and LinkedIn
- One-on-one employability consultations with our experienced employability advisors
- Tailored employability program for international students
- Industry networking events

For more details see:

[eait.uq.edu.au/employability](http://eait.uq.edu.au/employability)

## Studying overseas

Engineering students have an opportunity to enhance their degree by studying abroad for 1 or 2 semesters through the UQ Abroad program.

UQ has partnerships with over 150 universities in 37 countries. Students studying overseas remain enrolled at UQ, continue to pay (or defer) fees and earn credit towards their UQ degree. No additional tuition fees are paid to the host university.

Depending on your BE (Hons) specialisation, and the university you go to, you can take equivalent compulsory courses, engineering electives or other electives.

Most engineering students go on exchange after they have completed two years of study. If you would like discipline specific advice, please speak with one of the academic advisors in your specialisation and visit the UQ Abroad website:

[employability.uq.edu.au/global-experiences](http://employability.uq.edu.au/global-experiences)



## Scholarships and Prizes

### Raegan Paradine, WA Alumni Regional Scholarship Recipient

*"As a person coming from a regional area, I cannot stress enough how much receiving a scholarship has helped me. I remember sitting down with my mum and writing down all the expenses I would have to consider moving out on my own. There was rent; utilities; food and the list just kept going.*

*We thought the only way I was going to make it was by the odd chance of winning the lottery; then I got told about this scholarship. I spent an entire day preparing my submission but, it has all been worth it.*

*Receiving my scholarship means I no longer have to work a 40hr weeks on top of a full-time university load. I can go out with friends, join clubs and go to balls and volunteer for events.*

*The thing I have appreciated most about being a scholarship recipient is the opportunities that have come my way.*

*I have been able to meet my providers and talk about the industry and my worries and I have been able to attend events that have allowed me to network with not only peers but, industry professionals. Again, I cannot stress enough how much receiving a scholarship has helped me and could help you too."*



**The University of Queensland offers a number of scholarships. For more information, go to:**

EAIT Scholarships:  
[eait.uq.edu.au/scholarships](http://eait.uq.edu.au/scholarships)

The University of Queensland Scholarships:  
[scholarships.uq.edu.au](http://scholarships.uq.edu.au)



# Student Services and Support

## Student Services

Student Services provides a range of free services to support you during your time at UQ:

- Accommodation
- Counselling
- Disability
- Faith
- International support
- Learning
- New2UQ
- Workshops

For further details, go to:  
[uq.edu.au/student-services](http://uq.edu.au/student-services)

## Student Advocacy and Support

We are a free, independent, short term support service for all UQ students. We can provide you with assistance on matters relating to the following services:

- Academic
- Job Preparation
- Legal
- Proof Readers List
- Visa
- Welfare and Wellbeing

For more details go to:  
[uqu.com.au/supporting-u](http://uqu.com.au/supporting-u)

## Student Charter 3.60.01

The Student Charter sets out the University's commitment to students' education and experience at UQ; the expectations / responsibilities of all members with respect to conduct; and to provide guidelines to foster a healthy, diverse, creative and high achieving environment within which to study, research and work. More details:

[ppl.app.uq.edu.au/content/3.60.01-student-charter](http://ppl.app.uq.edu.au/content/3.60.01-student-charter)

## UQ ALLY Program

The UQ Ally Network is an award-winning program that provides a visible network of well-informed staff who create a safe, welcoming and inclusive space for sex, gender and sexuality diverse people at UQ and in the broader community.

[staff.uq.edu.au/information-and-services/human-resources/diversity/sexuality/ally-network](http://staff.uq.edu.au/information-and-services/human-resources/diversity/sexuality/ally-network)



# Do you need help?

## The First Year Engineering Mentor Program

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Going from high school to university is a big step and we figure the best person to help you with this transition is a student who's been there, done that and is still wearing the t-shirt!

The UQ First Year Engineering Learning Centre (FYELC) connects you with an engineering student mentor who will pass on his or her knowledge and help you adjust to university life.

The mentors can help with everything from finding the cheapest textbooks and tips for lectures to the social side of university life and all that it has to offer.

Further details can be located on the FYELC website [eait.uq.edu.au/first-year-learning-centre](http://eait.uq.edu.au/first-year-learning-centre) and inside the venue (50-C201).

## Personal

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**Headspace**  
**w** [headsplace.org.au](http://headsplace.org.au)

**Mental health and wellbeing at UQ**  
**w** [about.uq.edu.au/campaigns-and-initiatives/mental-health](http://about.uq.edu.au/campaigns-and-initiatives/mental-health)

**Student Advocacy and Support**  
**w** [uqu.com.au/supporting-u](http://uqu.com.au/supporting-u)

**Student Services**  
**w** [uq.edu.au/student-services](http://uq.edu.au/student-services)

**UQ Dental**  
**w** [uq dental.com.au](http://uq dental.com.au)

**UQ Health Care**  
**w** [uqhealthcare.org.au](http://uqhealthcare.org.au)

**Emailing at UQ must be professional.**  
**Email from your UQ student email account, and always include:**

1. A salutation  
(Dear, Good morning etc.)
2. Full name
3. Student ID number (8 digits)
4. Contact details

## Terminology explained

<b>BE (Hons)</b>	Bachelor of Engineering (Honours)
<b>BE (Hons) Course List</b>	The courses you have to pass in order to receive your degree. Specifies compulsory and elective courses – <a href="http://my.uq.edu.au/programs-courses">my.uq.edu.au/programs-courses</a>
<b>Blackboard</b>	Learning management system at UQ. Access via my.UQ under Elearning. Contains assessment information, announcements, updates, some assignment marks and discussion boards for each of your courses.
<b>Course</b>	Subject or class (e.g. ENGG1100, MATH1051).
<b>Compulsory Course</b>	Course that you must take (e.g. ENGG1100).
<b>Discipline</b>	Field of studies or specialisation within engineering (e.g. Civil Engineering).
<b>Dual Degree or Dual Program</b>	Combination of two UQ degrees taken at the same time. The BE (Hons) can be taken with Arts, Biotechnology, Business Management, Commerce, Economics, Information Technology, Maths or Science.
<b>Dual Major</b>	Combination of two fields within engineering (e.g. BE (Hons) with a dual major in Mechanical and Materials Engineering).
<b>Elective Course</b>	A course you choose to complete. There's a list for the BE (Hons) program. Refer: <a href="http://eait.uq.edu.au/bachelor-engineering-electives">eait.uq.edu.au/bachelor-engineering-electives</a> .

## Academic

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### Courses

#### Details

- Lecturer
- Blackboard
- Tutor
- Course Profile

#### Assessment

Blackboard site  
[learn.uq.edu.au](https://learn.uq.edu.au)

Course Profile  
[my.uq.edu.au/programs-courses](https://my.uq.edu.au/programs-courses)

#### Help

FYELC Tutors (50-C201)  
Weeks 2-13

FYELC Mentors (50-C201)  
Orientation - Week 2

### General Advice

#### First Year Enquiries

- Academic Advisor Appointments
- BE(Hons) Tutor and Mentor Program
- First Year Engineering Learning Centre

#### Coordinator, First Year Student Experience

FYELC (50-C201)  
**e** [Yr1Eng@uq.edu.au](mailto:Yr1Eng@uq.edu.au)  
**p** (07) 3346 7881  
**w** [eait.uq.edu.au/first-year-eng-students](https://eait.uq.edu.au/first-year-eng-students)

**EAIT Faculty Office**  
Hawken Engineering Building  
(50-S204)

**e** [enquiries@eait.uq.edu.au](mailto:enquiries@eait.uq.edu.au)  
**p** (07) 3365 4666

### Administration

#### Student ID Card

Go to [my.uq.edu.au/starting-at-uq/prepare-for-semester/student-id-cards](https://my.uq.edu.au/starting-at-uq/prepare-for-semester/student-id-cards)

#### Fees/Calculator approval

**Student Centre**  
JD Story Building (61) Level 1  
**p** (07) 3365 2600  
**w** [my.uq.edu.au/contact/student-centre](https://my.uq.edu.au/contact/student-centre)

#### Timetable Issues

If there are no suitable class times available, contact the EAIT Faculty for advice.

**e** [eait.mytimetable@uq.edu.au](mailto:eait.mytimetable@uq.edu.au)

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<b>Extended Major</b>	Like a major, but with an in-depth study. (e.g. BE (Hons) with an extended major in Mining Engineering). An extended major requires 60 units, specifically in your chosen field).
<b>Field of Study</b>	UQ uses "Major" for Bachelor degrees and "Field of Study" for Masters degrees.
<b>Major</b>	A specialisation within engineering (e.g. BE (Hons) majoring in Electrical Engineering with 52 of the 64 units for the BE (Hons) coming from the Electrical Engineering course list.).
<b>mySI-net</b>	UQ's online student enrolment system - <a href="https://sinet.uq.edu.au">sinet.uq.edu.au</a>
<b>Plan</b>	mySI-net calls a discipline (e.g. Mechanical Engineering) a plan; you choose your plan online using mySI-net.
<b>Prerequisite</b>	A level of knowledge and skill you must have before enrolling in a course. (e.g. You must have MATH1050 or Maths C before you do MATH1051).
<b>Program</b>	Your program is the Bachelor of Engineering (Hons), unless you chose a Dual Degree.
<b>Units</b>	Most courses are 2 units. A full time study load for a semester is 6 units or more, so that's 3 or more courses. Most students do 4 courses, 8 units in each semester. International students must do 8 units.



**THE UNIVERSITY  
OF QUEENSLAND**  
AUSTRALIA

CREATE CHANGE

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Architecture and Information Technology**

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Email: [enquiries@eait.uq.edu.au](mailto:enquiries@eait.uq.edu.au)  
Internet: [eait.uq.edu.au](http://eait.uq.edu.au)

**School of Chemical Engineering**

Don Nicklin Building (74), Level 3  
Phone: +61 7 3365 6195  
Email: [enquiries@chemeng.uq.edu.au](mailto:enquiries@chemeng.uq.edu.au)  
Internet: [chemeng.uq.edu.au](http://chemeng.uq.edu.au)

**School of Civil Engineering**

Advanced Engineering Building (49), Level 5  
Phone: +61 7 3365 3619  
Email: [enquiries@civil.uq.edu.au](mailto:enquiries@civil.uq.edu.au)  
Internet: [civil.uq.edu.au](http://civil.uq.edu.au)

**School of Information Technology  
and Electrical Engineering**

General Purpose South Building (78), Level 4  
Phone: +61 7 3365 2097  
Email: [enquiries@itee.uq.edu.au](mailto:enquiries@itee.uq.edu.au)  
Internet: [itee.uq.edu.au](http://itee.uq.edu.au)

**School of Mechanical and Mining Engineering**

Mansergh Shaw Building (45), Level 4  
Phone: +61 7 3365 3668  
Email: [enquiries@mechmining.uq.edu.au](mailto:enquiries@mechmining.uq.edu.au)  
Internet: [mechmining.uq.edu.au](http://mechmining.uq.edu.au)

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