Bachelor of Engineering (Honours)
First Year Program Guide 2020
Welcome to the Faculty of Engineering, Architecture and Information Technology.

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BSc, PhD

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ENGG1400 Coordinator
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BE(Hons), PhD, GCEd

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(First Year)
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BE, MICD

Coordinator First Year Student Experience
Ms Lisa Deacon

Administrative Officer
First Year Engineering Learning Centre
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BE, MEngSci, PhD, MSAE

ENGG1300 Coordinator
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BE(Hons), DipEd, PhD

ENGG1500 Coordinator
Associate Professor Tony Howes
BE(Hons), PhD, GCEd

We’re here to help.
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Use the checklist and work your way through the guide.

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**Read up on more information**

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

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# What's on

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

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
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<td>Let's get you started workshop</td>
<td>First Year Students BE (Hons) Project Day</td>
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<td>3–4pm (49–200)</td>
<td>10am–12pm (50–C207)</td>
<td>8.30am–3pm (27A, Exhibition Hall) Lunch provided. Dietary requirements? Please email: <a href="mailto:Yr1Eng@uq.edu.au">Yr1Eng@uq.edu.au</a> by 9 February 2020.</td>
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<td>4–5pm (49–Level 3)</td>
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</tbody>
</table>

For further information go to: uq.edu.au/orientation
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
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
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 eait.uq.edu.au/be-me

Extended and Dual Majors have specific requirements. Please visit uq.edu.au/study for further details.

### Choosing a Major Table

<table>
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<th>BE (Hons)</th>
<th>BE (Hons) / ME</th>
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<td>☑</td>
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<tr>
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<tr>
<td>Software</td>
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*From a specified list – Refer uq.edu.au/study

### Plan ahead

**Step 3**

**Plan ahead**

**Need help choosing a major?**

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

Call 07 3346 7881.
**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.

<table>
<thead>
<tr>
<th>Dual Degree</th>
<th>BE (Hons) / BA</th>
<th>BE (Hons) / BBioTech</th>
<th>BE (Hons) / BCom</th>
<th>BE (Hons) / BCompSc</th>
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* 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.

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**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

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**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
**BinTech** Bachelor of Information Technology
**BMath** Bachelor of Mathematics
**BSc** Bachelor of Science
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.

1. Complete ALL of Part A:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester</th>
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<tbody>
<tr>
<td>ENGG1100</td>
<td>Engineering Design</td>
<td>Semester 1</td>
</tr>
<tr>
<td>ENGG1200</td>
<td>Engineering Modelling &amp; Problem Solving</td>
<td>Semester 2</td>
</tr>
</tbody>
</table>
| MATH1051 or MATH1071 | Calculus & Linear Algebra I  | Semester 1 if you have done Maths C (>SA)  
|             |                                          | Semester 2 if you haven’t done Maths C  |
| MATH1052 or MATH1072 | Advanced Calculus and Linear Algebra | Semester 1 if you have done Math C (>HA)  |
|             | Multivariate Calculus & Ordinary Differential Equations | Semester 2  
|             | (or Summer Semester)                     |          |
|             | Advanced Multivariate Calculus & Ordinary Differential Equations | Semester 2  
|             | (or Yr 12 Maths C)                      |          |

2. Complete at least one of Part B:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Semester</th>
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</thead>
</table>
| ENGG1300    | Introduction to Electrical Systems       | Semester 1 or 2  
|             | Recommended Prerequisites: Maths C & High School Physics |          |
| ENGG1400    | Statics and Dynamics                     | Semester 1 if you have done Maths C (>SA)  
|             | Prerequisite: Maths C (>SA) or MATH1050  | Semester 2 if you haven’t done Maths C  |
| ENGG1500    | Engineering Thermodynamics               | Semester 1 or 2  
|             | Recommended Prerequisite: High School Physics or PHYS1171 |          |

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.

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).

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

- CHEM1090: Introductory Chemistry = High School (Senior) Chemistry
  - Not available if you have SA or higher in Senior Chemistry. You will need EAIT Faculty permission to enrol in CHEM1090. (Email: enquiries@eait.uq.edu.au)
  - Semester 1

- MATH1050: Mathematical Foundations = High School Maths C
  - Not available if you have HA or higher in Maths C.
  - Semester 1

- PHYS1171: Physical Basis of Biological Systems = High School (Senior) Physics
  - Not available if you have SA or higher in Senior Physics. You will need EAIT Faculty permission to enrol in PHYS1171. (Email: enquiries@eait.uq.edu.au)
  - Semester 1 or 2

4. Select electives from Part C as applicable:

Check Off

- BIOL1040: Cells to Organisms
  - Semester 2

- CHEE1001: Principles of Biological Engineering
  - Semester 1 ONLY

- CHEM1100: Chemistry - Energetics & Reactivity
  - Prerequisite: Senior Chemistry or CHEM1090
  - Semester 1 or 2

- CSSE1001: Introduction to Software Engineering
  - Semester 1 or 2

- ENGG1600: Research – The Big Issues
  - Semester 2 ONLY

- ERTH1501: Earth Processes & Geological Materials for Engineers
  - Semester 1 ONLY

- PHYS1002: Electromagnetism and Modern Physics
  - 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.
To get into a 2nd year engineering discipline, you must have these courses:

**Flexible First Year**

<table>
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<tr>
<th>Sem 1</th>
<th>ENGG1100</th>
<th>MATH1051</th>
<th>ENGG1400</th>
<th>ENGG1300</th>
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<th>MATH1050</th>
<th>ENGG1300</th>
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<td>MATH1052</td>
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<td>MATH1051</td>
<td>MATH1052*</td>
<td>ENGG1400</td>
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</table>

1. If you haven’t done High School Physics take PHYS1171 in Semester 1 and ENGG1300 in Semester 2;
2. If you haven’t done High School Chemistry take CHEM1090 in Semester 1 and ENGG1300 in Semester 2;
3. If you might be interested in any chemical engineering major, take CHEM1100; otherwise
4. Choose an elective from Part C.

**Chemical – Chemical & Materials – Chemical & Metallurgical**

<table>
<thead>
<tr>
<th>Sem 1</th>
<th>ENGG1100</th>
<th>MATH1051</th>
<th>CHEM1100</th>
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<th>MATH1050</th>
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<td>MATH1052</td>
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<td>ENGG1200</td>
<td>MATH1051</td>
<td>MATH1052*</td>
<td>ELECTIVE</td>
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</tbody>
</table>

1. If you haven’t done High School Chemistry take CHEM1090 in Semester 1 and CHEM1100 in Semester 2;
2. If you haven’t done High School Physics take PHYS1171 in Semester 1 and ENGG1500 in Semester 2;
3. Choose an elective from Part B or Part C. Priority choices include: ENGG1500, ERTH1501 (Semester 1 only), CHEM1100 and CSSE1001.

**Chemical & Biological**

<table>
<thead>
<tr>
<th>Sem 1</th>
<th>ENGG1100</th>
<th>MATH1051</th>
<th>CHEM1100</th>
<th>CHEE1001</th>
<th>ENGG1100</th>
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</tbody>
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1. If you haven’t done High School Chemistry take CHEM1090 in Semester 1 and CHEM1100 in Semester 2;
2. If you haven’t done High School Physics take PHYS1171 in Semester 1 and ENGG1500 in Semester 2;
3. Choose an elective from Part B or C.
4. For Chemical and Metallurgical Engineering: Choose an elective from Part C - ERTH1501 (Earth Processes & Geological Materials for Engineers) Semester 1 only.

**Civil – Civil & Environmental – Civil & Geotechnical**

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<tr>
<th>Sem 1</th>
<th>ENGG1100</th>
<th>MATH1051</th>
<th>ENGG1400</th>
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1. If you haven’t done High School Physics take PHYS1171;
2. For Civil and Environmental Engineering: Choose CHEM1090 (Introductory Chemistry) if you haven’t done High School Chemistry; otherwise
3. Choose an elective from Part B or Part C. Priority choices include: ENGG1500, ERTH1501 (Semester 1 only), CHEM1100 and CSSE1001.

**Electrical**

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1. If you haven’t done High School Physics take PHYS1171 in Semester 1, putting off ENGG1300 until Semester 2;
2. Take PHYS1002; otherwise
3. Choose an elective from Part B or Part C.

---

*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.*
**Maths C:**
- Completed & Achieved greater than Sound (SA)
- Not completed or Achieved Sound (SA) or less

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**ELECTRICAL & COMPUTER - ELECTRICAL & BIOMEDICAL**

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.

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**MECHANICAL - MECHANICAL & AEROSPACE - MECHANICAL & MATERIALS**

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.

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**MECHATRONIC**

1. If you haven’t done High School Physics take PHYS1171 in Semester 1;
2. Choose a Part B or Part C elective.

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**MINING - MINING & GEOTECHNICAL**

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.

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**SOFTWARE**

1. Choose INF51200 (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.

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*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.*
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

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
- 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

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)
Disciplines:
- Civil/Structural
- Environmental
- Materials

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)

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.
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.

Log in to continue

Log in to Starting at UQ for a step-by-step guide on how to set up your mySI-net profile, enrol in your courses and register your class preferences.

Need help?

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

EAIT Faculty Office
Hawken Engineering Building (50-S204)
 e enquiries@eait.uq.edu.au
p (07) 3365 4666
Class Allocation (Allocate+)

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.

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

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.

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
FAQs for 1st Year

FYELC

What is the FYELC?
First Year Engineering Learning Centre (50-C201) = space for you
Go to: eait.uq.edu.au/first-year-learning-centre

Can I eat and drink in the FYELC?
Yes – but you are expected to keep the place clean and tidy.

What else can I do in the FYELC?
- Access 10 dedicated FYELC tutors for first year engineering courses
- Each tutor covers multiple engineering courses and are available:
  Weeks 2 – 13 Monday – Friday
- Meet your first year engineering mentors (Orientation to Week 2)
- Borrow a laptop (Monday – Friday 9am–3pm)
- Book the FYELC Booths (Monday – Friday 9am–4pm)
- Arrange first year academic advisor appointments
- Heat up your lunch, refill your water bottle
- Find out about the latest engineering events

Tips

Work
We recommend less than 10 hours a week paid work for full time students

Student Email
Remember to check your student emails regularly
See its.uq.edu.au/services/student-email for details

How should I manage my time?
- Read dates carefully as not all practicals/seminars and tutorials are weekly.
- 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.)
- Put together a semester and weekly schedule.
- Start each course by understanding how the course is structured, the requirements, learning resources and when the assessments are due.
  Course profiles: my.uq.edu.au/programs-courses
- 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!
- Utilise all of the learning resources available to you, such as:
  • Course tutors
  • FYELC tutors
  • Online tutorials
  • PASS classes
  • Learning workshops: uq.edu.au/student-services/learning
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
- Contacts – 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

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

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

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

IMPORTANT DATES – For Commencing and Continuing Students (Academic Calendar, Teaching Periods, Summer Semester):
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 made up of a range of allowable professional practice activities.

For more details see:
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

Academic advice

First Year Academic Advisor
Email: Yrleng@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
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

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

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

The University of Queensland Scholarships: scholarships.uq.edu.au
Memberships and Student Societies

Engineers Australia (EA)
- EA is the largest and most respected representative body for engineering in Australia. EA is responsible for the accreditation of engineering degrees and also for the chartered status of professional engineers. Student membership is encouraged and free; engineersaustralia.org.au/Membership

Young Engineers at UQ (YEAUQ)
- YEAUQ organise several events throughout the year such as the Engineering Careers Expo and networking events. YEAUQ aims to help students establish useful contacts within industry, paving the way towards vacation work and graduate employment; facebook.com/YEAQld

Women in Engineering
- Women in Engineering eait.uq.edu.au/we

Memberships
Professional bodies support student members through Student Chapters. These chapters provide career guidance, mentoring and assistance in finding vacation work and study resources. As a student member you may be eligible for a variety of prestigious scholarships, awards and special funds.

Other Professional Organisations
- Professionals Australia focus on issues that affect you in your profession and represent more than 25,000 professionals and students across Australia. professionalsaustralia.org.au
- The Institute of Chemical Engineers (IChemE); icheme.org
- Institute of Electrical and Electronics Engineers (IEEE); ieee.org
- Australasian Institute of Mining and Metallurgy (Aus/MM); ausimm.com
- Australian Computer Society; acs.org.au

Student Societies
UQ Engineering supports several student clubs. Joining these societies is a great way to meet other students:
- Engineering Undergraduate Society (EUS); uqueus.com.au
- Civil Engineering Student Association (CESA); facebook.com/CESA.UQ
- Chemical and Environmental Engineering Students Society (CHESS); facebook.com/chess.uq
- Electrically Based Engineering Students Society (EBESS); uqbeess.com
- Engineers Without Borders (EWB); ewb.org.au/explore/chapters/qld/uq
- Mining and Metallurgical Association (MAMA); uqmama.com
- Mechanical Engineering Students Society (MESS); facebook.com/messuq
- Skirts in Engineering (Women in Engineering); facebook.com/uqskirts

Visit eait.uq.edu.au/eng-student-societies for more details
Student Services and Support

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

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

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

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
Do you need help?

The First Year Engineering Mentor Program

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 and inside the venue (50-C201).

Terminology explained

<table>
<thead>
<tr>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BE (Hons)</strong></td>
<td>Bachelor of Engineering (Honours)</td>
</tr>
<tr>
<td><strong>BE (Hons) Course List</strong></td>
<td>The courses you have to pass in order to receive your degree. Specifies compulsory and elective courses – my.uq.edu.au/programs-courses</td>
</tr>
<tr>
<td><strong>Blackboard</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Course</strong></td>
<td>Subject or class (e.g. ENGG1100, MATH1051).</td>
</tr>
<tr>
<td><strong>Compulsory Course</strong></td>
<td>Course that you must take (e.g. ENGG1100).</td>
</tr>
<tr>
<td><strong>Discipline</strong></td>
<td>Field of studies or specialisation within engineering (e.g. Civil Engineering).</td>
</tr>
<tr>
<td><strong>Dual Degree or Dual Program</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Dual Major</strong></td>
<td>Combination of two fields within engineering (e.g. BE (Hons) with a dual major in Mechanical and Materials Engineering).</td>
</tr>
<tr>
<td><strong>Elective Course</strong></td>
<td>A course you choose to complete. There’s a list for the BE (Hons) program. Refer: eait.uq.edu.au/bachelor-engineering-electives.</td>
</tr>
</tbody>
</table>

Personal

- **Headspace**
  - w headspace.org.au
- **Mental health and wellbeing at UQ**
  - w about.uq.edu.au/campaigns-and-initiatives/mental-health
- **Student Advocacy and Support**
  - w uqu.com.au/supporting-u
- **Student Services**
  - w uq.edu.au/student-services
- **UQ Dental**
  - w uqdental.com.au
- **UQ Health Care**
  - w 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
## Academic

### Courses Details
- Lecturer
- Blackboard
- Tutor
- Course Profile

### Assessment
Blackboard site
learn.uq.edu.au

#### Course Profile
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)

- Yr1Eng@uq.edu.au
- (07) 3346 7881
- eait.uq.edu.au/
  first-year-eng-students

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

- enquiries@eait.uq.edu.au
- (07) 3365 4666

### Administration

#### Student ID Card
Go to my.edu.au/starting-at-uq/
prepare-for-semester/student-id-cards

#### Fees/Calculator approval
Student Centre
JD Story Building (61) Level 1

- (07) 3365 2600
- my.uq.edu.au/contact/
  student-centre

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

- eait.mytimetable@uq.edu.au

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### Extended Major
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.

### Field of Study
UQ uses “Major” for Bachelor degrees and “Field of Study” for Masters degrees.

### Major
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.).

### mySI-net
UQ’s online student enrolment system – sinet.uq.edu.au

### Plan
mySI-net calls a discipline (e.g. Mechanical Engineering) a plan; you choose your plan online using mySI-net.

### Prerequisite
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).

### Program
Your program is the Bachelor of Engineering (Hons), unless you chose a Dual Degree.

### Units
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.