Welcome to the…

Master of Engineering
Master of Engineering Science
Master of Engineering Science (Management)
Faculty Students
### Your background
- Bachelor of Engineering

### Degree Options
#### Master of Engineering Science
- Bioengineering
- Civil
- Chemical
- Electrical
- Energy
- Environmental
- Fire Safety
- Materials and Manufacturing
- Mechanical
- Petroleum
- Software
- Transport
- Urban Water

#### Master of Engineering Management
- Bioengineering
- Civil
- Chemical
- Electrical
- Energy
- Environmental
- Materials and Manufacturing
- Mechanical
- Mechatronics
- Metallurgy
- Petroleum
- Software
- Urban Water

#### Master of Engineering
- Bioengineering
- Civil
- Chemical
- Electrical
- Energy
- Environmental
- Materials and Manufacturing
- Mechanical
- Mechatronics
- Metallurgy
- Petroleum
- Software
- Urban Water

### Career Outcome
- Technical expert in the relevant field
- Ready for management and leadership positions
- Accredited Professional Engineer
Postgraduate coursework at UQ

✓ In-depth knowledge and skills in the field of study

✓ Effective communication

✓ Independence and creativity

✓ Critical judgement

✓ Ethical and social understanding
What does it mean to be a professional engineer?
What is professional engineering practice and mastery?

- Professional engineering practice
- Engineering tools
- Underpinning knowledge and understanding
- Nous, Episteme & Sophia
- Techne
- Phronesis & Praxis
- Practical wisdom and thoughtful doing
- Applying knowledge
- Book smarts and knowledge
How do we discharge the trust that is granted to us by society?

Maintain high standards of personal and professional behaviour, specifically:

1. Fulfil a “Duty of Care” to our clients and society in general
2. Work within the Law at all times
3. Take accountability for all of our actions and the consequences of these actions
Academic Integrity & Plagiarism

University takes academic integrity very seriously

Plagiarism and collusion are misconduct

• Penalties apply

• Electronic tools are used for detection

Don’t use the work of others without citation

You need to know when you can do group work and when you can’t (refer to course profile)

If you aren’t sure, ask your lecturer before you do the assessment!

Work through the university's on-line tutorial available – links to tutorial on mySi-net, myUQ and Blackboard. This is a requirement for ENGG7901 / ENGG7902.
Course Profiles

Describes what you should expect in a course:

- Topics covered
- Expected learning outcomes
- Assessment
- Calculator restrictions
- Textbooks
- Other important information

Under the **ESOS Act**, international students must:

- complete their program in the standard duration for the program as indicated in their offer letter (CoE)
- maintain an 8 unit semester workload **unless** an Associate Dean approved academic intervention is in place which restricts their enrolment to fewer units

The Associate Dean may also give **prior** approval for a reduced semester load when the student presents evidence of a compassionate or compelling reason (eg, managing an illness)

**International students cannot enrol in < 8 units in a semester if that would affect the duration outlined in the offer they have accepted.**

**Visa extensions can only be approved if students have been permitted by the Associate Dean to undertake a reduced load in previous semester/s and this is documented.**
All electrical devices, including laptops, must be “tested and tagged” for electrical safety before being connected to UQ supply.

The EAIT Faculty Workshop staff perform the required test for students at weekly sessions during the semester and the schedule is found at


Note: International power cables, power supplies or converters can not be used at UQ. In order to plug in an international laptop at UQ, you will need to obtain an Australian power supply for the laptop prior to getting the equipment tested and tagged.
Learning Communities

Talk with other students about the course content

Students who help each other do better in their own studies

Form or join a study group

If blackboard is being used engage with the materials and the e-communities and message boards
New: Research Showcase

EAIT Research Showcase
(for postgraduate coursework students)

Sometime in Sem 2

Run by EAIT postgrad coursework students

Come and hear some of our leading academics present to you their research, and get inspired to connect with what’s going on here through your research project.
Secrets to academic success

- Attendance and participation
- Hard work
- Motivation – dedication – discipline – vision
- Time management
- Good study habits

- Seek assistance when needed

- Balance your life
- Open your mind/ adjust your reality
- Enjoy your independence
- Make friends
Secrets to academic success II

• Remember your goals:
  - long-term = degree
  - medium term = pass course
  - short term = assignment submission

• Maintain your sense of self worth – you got here!

• Understand what is required of you

• Use the resources provided
Study/Life Balance

Each 2 unit course typically requires 10-12 hours of work per week

You will do 4 x 2 unit courses per semester.......so 4 * 12 = 48 hours/week

• Count on ~20 hours of class time each week (contact hours)

• Plus an additional 20-30 hours of study, assignments and other Uni work

Make use of Learning Communities

Other: work, leisure, sport, commuting time, sleep

• Recommended maximum of 10 hours/week paid employment if studying #8
Staff and postgraduate students involved in research within scientific laboratories are exposed to a wide range of hazards, and work more independently than undergraduate students.

Work or research performed by staff and postgraduate students must be undertaken in accordance with the OH&S guideline

*Working safely in the Laboratory*


Your supervisor must know and approve of any activities you propose to undertake in your project work.

*Don’t do anything without their approval.*
**Workplace Health and Safety Act, 1995**

**Staff and postgraduate students are required to:**

- Avoid, eliminate or minimise hazards of which they are aware;
- Comply with all occupational health and safety instructions, University policies and procedures including School or Centre OH&S manuals;
- Make proper use of all safety devices and personal protective equipment;
- Not wilfully place at risk the health and safety of themselves or any other person;
- Seek information or advice where necessary, or when in doubt, before carrying out new or unfamiliar work (this includes operating unfamiliar equipment);
- Wear protective clothing and footwear, as prescribed by the School, Centre or Institute Workplace Health and Safety Officer and the supervisor;
- Comply with University policy that food or drink are not to be consumed within the laboratory;
- Be familiar with emergency and evacuation procedures, including the location and use of emergency equipment such as safety showers and eyewash facilities;
- Report any medical conditions or allergies that could put them at risk during the conduct of their research to their supervisor;
- Report and record all accidents and near miss incidents.
Risk Assessments must be completed for all Tasks being undertaken within the laboratory, and for all Hazardous Substances being used in the laboratory.

You should not commence work in a Laboratory until you have completed a Risk Assessment for your experiments using the online Risk Assessment Database.

If there is already a RA for the experiments you will conduct, you should read it and understand it and sign that you have read it in the Risk Management Database.
What can we do for you?

• Representation
• Networking
• Advice
• Support

Who are we?
Postgrad students, main representative body: UQ and outside

How to get in contact?

UQU Association of Postgraduate Students - APS

Write to us aps@uq.edu.au or sign up to emailing list