THE UNIVERSITY OF QUEENSLAND
AUSTRALIA
CREATE CHANGE

# Welcome to the School of Mechanical and Mining Engineering

Master of Engineering (Professional)

Master of Engineering Science

Master of Engineering Science (Management) Suite

Materials and Manufacturing, Mechanical, Mechatronic.

Dr Alex Klimenko (Postgraduate Programs Leader)

# Acknowledgement of Country

The University of Queensland (UQ) acknowledges the Traditional Owners and their custodianship of the lands on which we meet.

We pay our respects to their Ancestors and their descendants, who continue cultural and spiritual connections to Country.

We recognise their valuable contributions to Australian and global society.

*The Brisbane River* pattern from *A Guidance Through Time* by Casey Coolwell and Kyra Mancktelow.

# Academic Advisor & Program Leader

You can seek help from the following Academic Advisor with regards to any problems associated with your program:

Dr Alex Klimenko

Email: a.klimenko@uq.edu.au

Phone: 336 53670

Room: 45-320

**Individual zoom consultations:**

Tuesdays 12-1pm (Send an email to Dr Klimenko in advance)

Face to face in 45-320 or https://uqz.zoom.us/j/87897899838

# Plan For Today's Session

Once you have your structure confirmed, please replace the minute durations (highlighted) with the times. Eg 10am-10:10am Welcome.

| Duration | Activity |
|---|---|
| 10 minutes | Welcome and icebreaker activity |
| 20 minutes | Program Information |
| 10 minutes | Q&A |
| 10-20 minutes | Team building activity |
| 20 – 30 minutes | Networking |
| 4:00pm – 5:30pm | Post Grad Social Mixer_refreshments available 47A-courtyard |

# Icebreaker Option 1- Desert Island

Depending on the size of your group you can do this all together, or small tables

Imagine you're about to take a one-way trip to a deserted island and may only take three things from the list below. **Which three would you take and why?**

A bag of fruit & vegetable seeds

A Swiss army knife

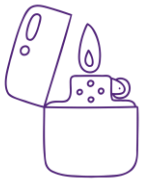
A fishing net

A 50m rope

A waterproof bed sheet

A large, strong bucket

A lighter



# Icebreaker Option 2- Two Truths, One Lie

Depending on the size of you group you can do this all together, or small tables

One at a time, share three interesting statements about yourself.

TWO of which will be true and ONE will be a lie.

Everyone else – put on your detective hat and try to guess which one is the lie!

# Icebreaker Option 3- Conversation Starters

This is best done in pairs or small groups

**Skip the awkward small talk!** Scan the QR code to access some fun and interesting questions to ask each other and get the conversation started.

# In your own time, watch this video

A faculty specific, carefully considered general information introduction. If you do just one thing to help prepare you for studies in this faculty, watch this video.

https://www.youtube.com/watch?v=oXZZvygHea8

# Timetables, Changing & Dropping Courses

Class Allocation is via MyTimetable system via your my.UQ Dashboard: http://my.uq.edu.au/

**1.** Go to **'mySI-net'** to enrol in chosen course(s)

**2.** Go to **'My Timetable'** to use the Allocate+ system to preference class times **(Closed 27/01/2025)**

**3.** Classes are then allocated automatically with personal timetable released **12pm 03/02/2025**

**4.** **Class Adjustment (02/03/2025)**:
Didn't get the time you wanted, or now need to change times?

Use **'My Timetable'** to:

- Swap to other classes if there is space.
- Add your name to a waitlist to swap to preferred class
- Contact eait.mytimetable@uq.edu.au if you still have unavoidable clashes

# Timetables, Changing & Dropping Courses

## Need to **add** or **change** courses?

- Go to step (1) then (2) or (4) on the previous slide [depending on when you change].

  Adding courses is available till **Friday 7 March 2025**.

## Need to **drop** a course?

- International students MUST discuss with EAIT faculty office before reducing below #8.
- Census date (last day to drop a course without financial liability): Monday 31st March 2025
- Last day to withdraw from a course without academic penalty: Wednesday 30th April 2025

# Master of Materials and Manufacturing Engineering (Professional)

- Master of Materials and Manufacturing Engineering (Professional) student is required to complete 32 units comprising:

  22 units of Core Courses; and

  4 units of Research Project Courses; and

  4 to 6 units from Advanced Undergraduate Elective Courses; and

  0 to 2 units from Postgraduate Elective Courses.

- For enrolment advice refer to suggested study planners:

  Study plans - School of Mechanical & Mining Engineering - University of Queensland

- You must complete 450 hours of Engineering Professional Practice to satisfy the requirements of Engineers Australia.

***Note: please take Advanced Computational Techniques in Engineering (ENGG7302) in Semester 1 and not in Semester 2***

# Master of Mechanical Engineering (Professional)

- Master of Mechanical Engineering (Professional) student is required to complete 32 units comprising:

  14 units of Core Courses; and
  4 units of Research Project Courses; and
  4 units from Advanced Undergraduate Elective Courses; and
  10 units from Postgraduate Elective Courses.

- For enrolment advice refer to suggested study planners:
  Study plans - School of Mechanical & Mining Engineering - University of Queensland

- You must complete 450 hours of Engineering Professional Practice to satisfy the requirements of Engineers Australia.

***Note: please take Advanced Computational Techniques in Engineering (ENGG7302) in Semester 1 and not in Semester 2***

# Master of Engineering Science (Materials & Manufacturing)

- MEngSc (Materials & Manufacturing) student is required to complete 16 units comprising:

  4 units of Compulsory Courses; and

  4 or 8 units from Research Project Courses; and

  4 to 8 units from Discipline Elective Courses.

- For enrolment advice refer to suggested study planners:

  Study plans - School of Mechanical & Mining Engineering - University of Queensland

# Master of Engineering Science (Mechanical)

- MEngSc (Mechanical) student is required to complete 16 units comprising:

  4 units of Compulsory Courses; and

  4 or 8 units from Research Project Courses; and

  4 to 8 units from Discipline Elective Courses; and

- For enrolment advice refer to suggested study planners:

  Study plans - School of Mechanical & Mining Engineering - University of Queensland

# Master of Engineering Science (Mechatronics)

- MEngSc (Mechatronics) student is required to complete 16 units comprising:

  8 units of Compulsory Courses; and

  4 or 8 units from Research Project Courses; and

  0 to 4 units from Discipline Elective Courses; and

- For enrolment advice refer to suggested study planners:

  Study plans - School of Mechanical & Mining Engineering - University of Queensland

# Master of Engineering Science (Management) – Materials & Manufacturing

- MEngSc (Management) – Materials & Manufacturing student is required to complete 32 units comprising:

  6 units of Compulsory Courses; and

  4 units or 8 units from Research Project Courses; and

  4 to14 units from Discipline Elective Courses; and

  8 to14 units from Management Elective Courses.

- For enrolment advice refer to suggested study planners:

  Study plans - School of Mechanical & Mining Engineering - University of Queensland

# Master of Engineering Science (Management) – Mechanical

- MEngSc (Management) – Mechanical student is required to complete 32 units comprising:

  6 units of Compulsory Courses; and

  4 or 8 units from Research Project Courses; and

  4 to14 units from Discipline Elective Courses; and

  8 to14 units from Management Elective Courses.

- For enrolment advice refer to suggested study planners:

  Study plans - School of Mechanical & Mining Engineering - University of Queensland

# Master of Engineering Science (Management) – Mechatronics

- MEngSc(Management) - Mechatronics student is required to complete 32 units comprising:

  10 units of Compulsory Courses; and

  4 or 8 units from Research Project Courses; and

  0 to10 units from Discipline Elective Courses; and

  8 to14 units from Management Elective Courses.

- For enrolment advice refer to suggested study planners:

  Study plans - School of Mechanical & Mining Engineering - University of Queensland

# Some notes about safety.

**Queensland Health and Safety Act (2011) + UQ Health Safety and Wellness Policy**

You must:

- take reasonable care for your health and safety in the workplace
- take reasonable care for the health and safety of others who may be affected by what you do or don't do
- follow any reasonable health and safety instructions from your teaching and technical staff . For example, use equipment properly, follow safe work policies and procedures and attend training.

It's important that you:

- ask for help if you are not sure how to safely perform your work
- follow instructions and work safely
- report hazards, unsafe situations and injuries to your employer.


Q
A

# Team Building Suggestion- The Lego Challenge

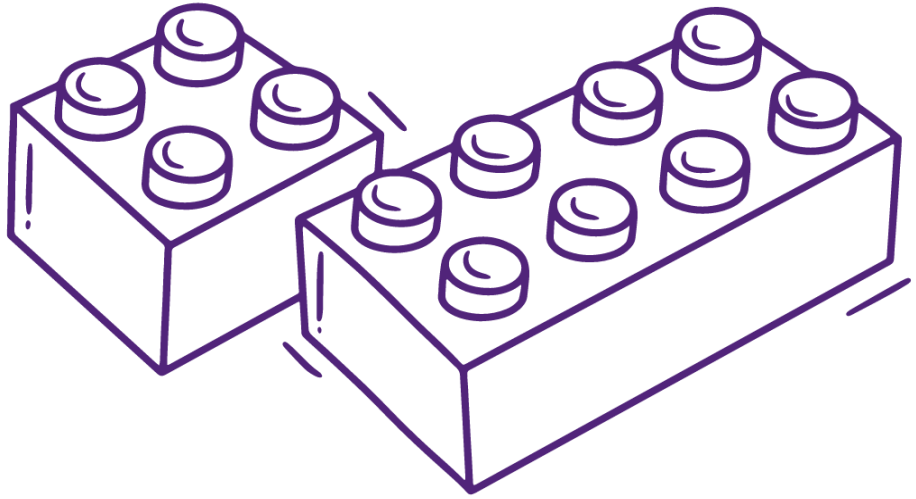
https://www.sessionlab.com/methods/lego-challenge

**Work together – with a twist!**

If you would like to run this activity, please let studentexperience@eait.uq.edu.au know a **minimum of 2 weeks prior** and we will provide you with the lego and team instructions.

In groups, you'll need to build a structure out of lego.

However, each individual will have a secret "assignment" which may make the collaborative process more challenging...



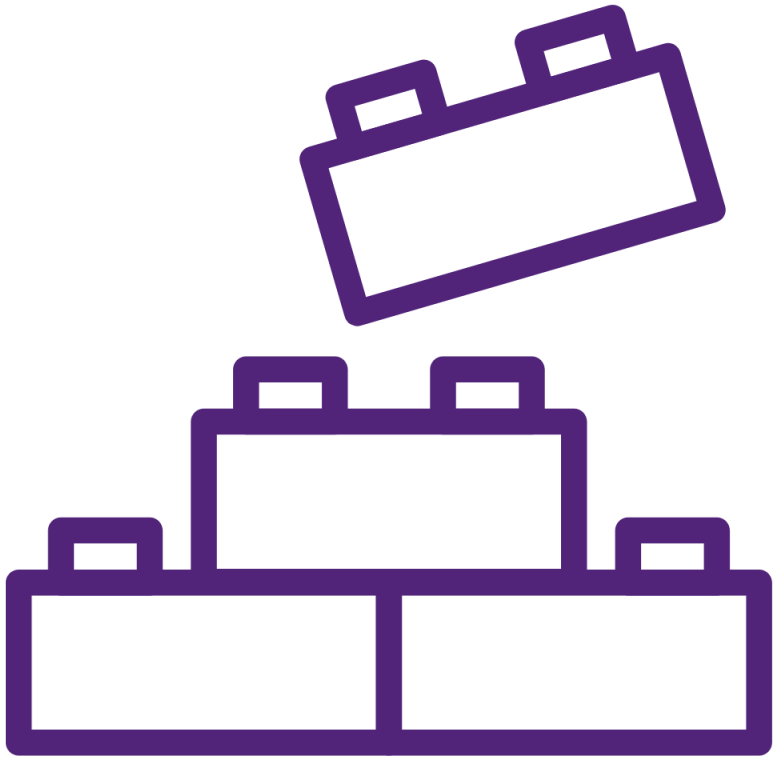
# Team Building Suggestion- The Lego Challenge

https://www.sessionlab.com/methods/lego-challenge

Organise yourself into groups of 5 - 7.
Each group sits around a table with a box of lego.
Don't touch the lego until the activity begins.

*Your task, as a group, is to build a structure with these Lego bricks. In a moment, each of you will get a piece of paper, where your individual assignment is written. You may not show or tell your assignment to the rest of the team.*

*You will have X minutes to build your structure. You **may not speak** during the building process. You must continue building until the time is up. I will announce when the time is up.*



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# Team Building Suggestion- The Lego Challenge

https://www.sessionlab.com/methods/lego-challenge

Stop building.

Try and guess the “assignments” of the other members of their group.

Then share their secret assignments with each other.

**Reflect:**

- What happened during the task?
- How did we work as a group?
- How did the experience make me feel?
- How did I behave / respond / react?
- What did I learn about myself?
- What did I learn about groups?
- How can I apply insights from this activity?

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