



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

Master of Information Technology

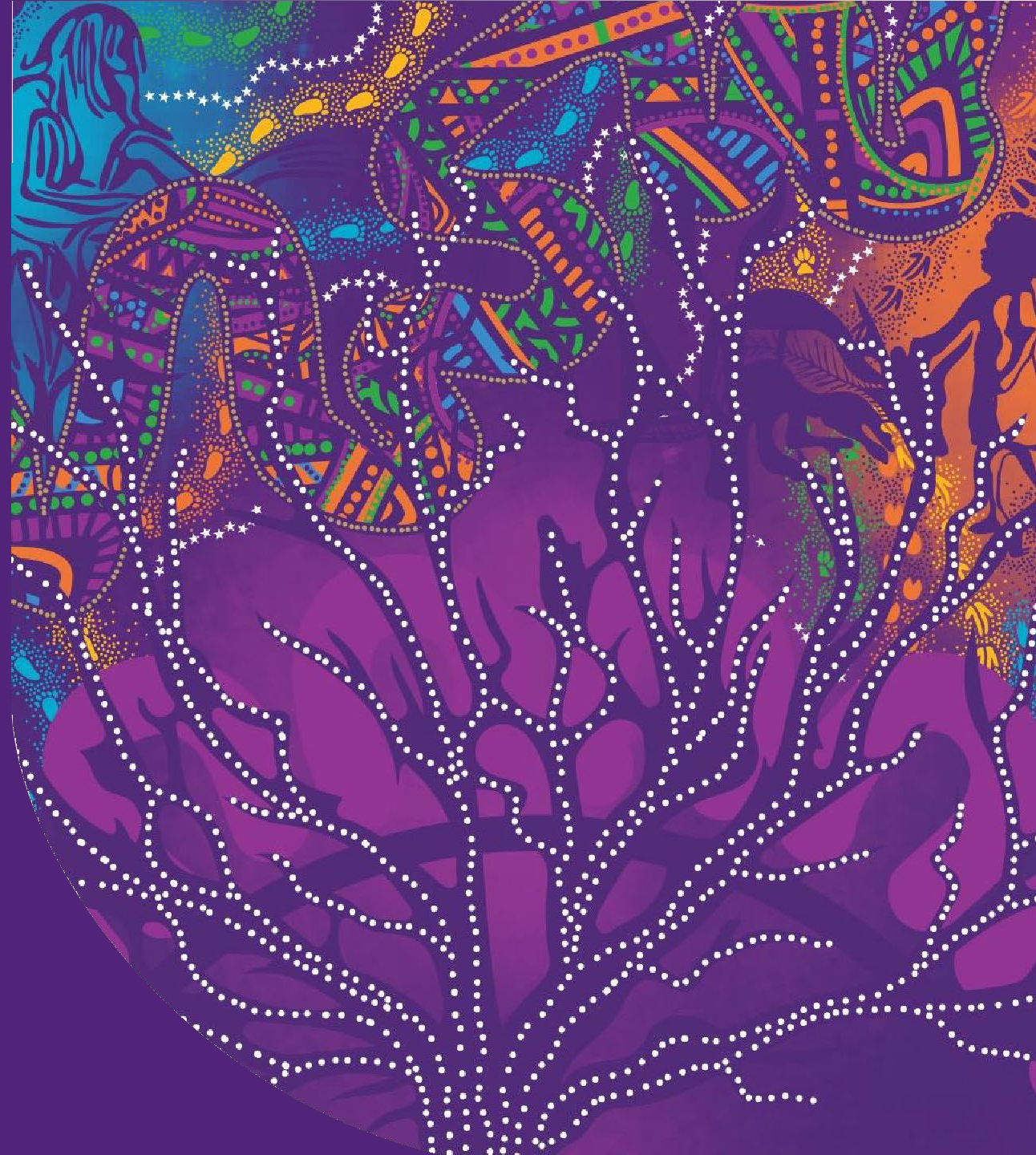
Welcome
Dr Nell Baghaei

Acknowledgment 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.



Plan For Today's Session

Duration	Activity
12:00pm - 12:15pm	Welcome & Introductions
12:15pm - 12:30pm	Program Information
12:30pm - 12:45pm	Q&A
12:45pm - 1:00pm	Icebreaker activity
1:00pm - 2:00pm	Expo & lunch @ UQ Centre



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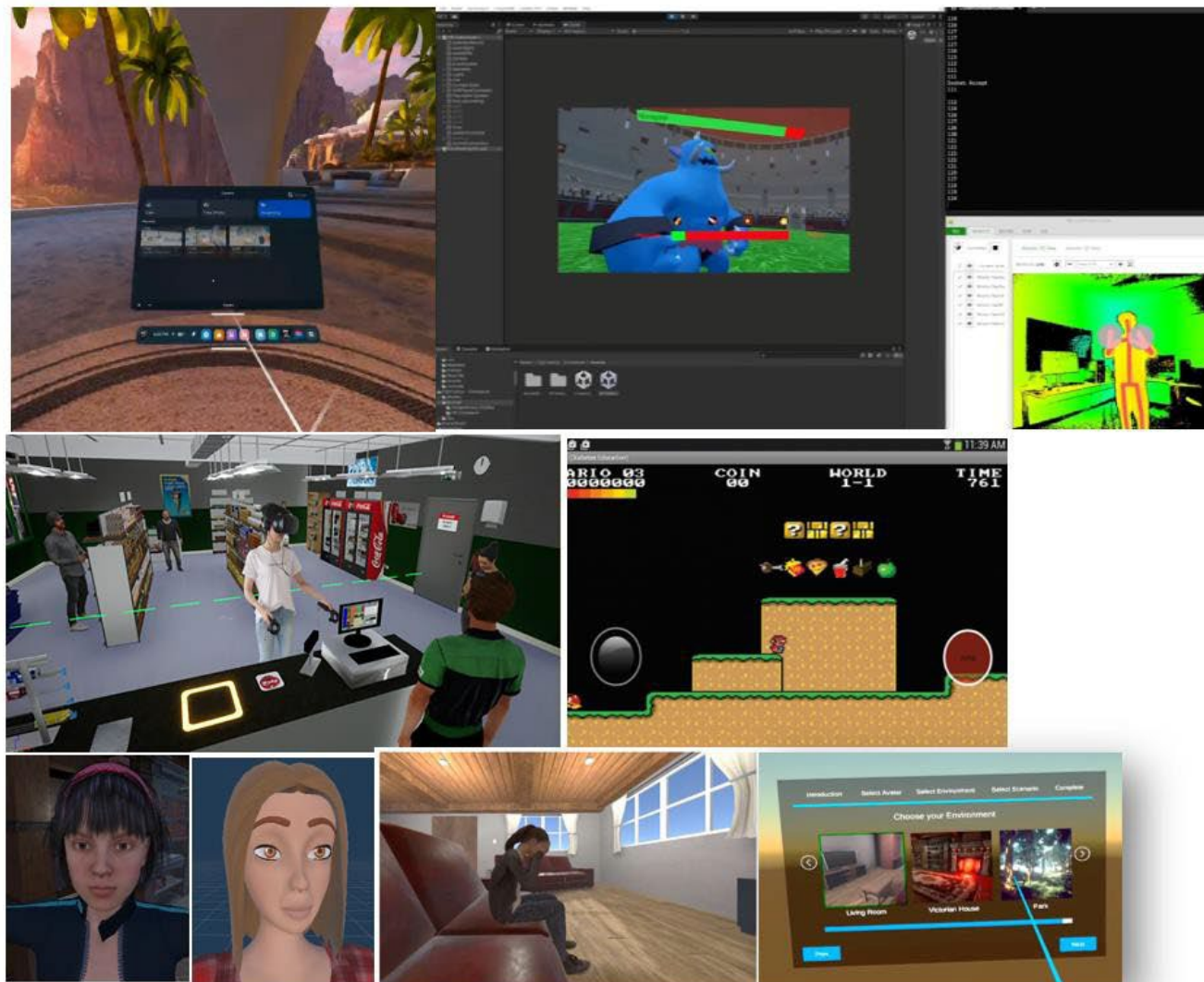
About Me

- Senior Lecturer at EECS, Co-Director of Mixed Reality Lab
- Program Convenor for MInfoTech



Work history: Software Engineer, Researcher, Team Leader, Academic

Research interests: Extended Reality, Educational Games, AI in Education, Persuasive Technology



Dr Nell Baghaei

Interests: Virtual Reality, Serious Games, AI in Health/ Education, Persuasive Technology

Current projects:

- Individualised VR for Enhancing Mental Health (*in collaboration with UQ School of Psych, Yale School of Medicine*)
- VR for Rehabilitation (*in collaboration with Biomedical Sciences & UQ RECOVER Injury Research Centre*)
- Visual Embellishments in VR Exergames
- VR for Education
- Mobile Games for Assessing Mental Health (*in collaboration with UQ School of Psychology*)
- Mobile Games for Health Education



About you

Introduce yourself to the person sitting next to you 😊

Why are you interested in doing this programme?

Where were you born?

What are your hobbies?

What is IT (aka ICT)?



Communication



Software



Servers



Applications (examples?)



Databases



Hardware

IT & Design

Viewing IT as a design subject makes us look at the problems in the world like an architect would look at the built environment, rather than how a bricklayer might

Without the design, laying bricks just builds walls.

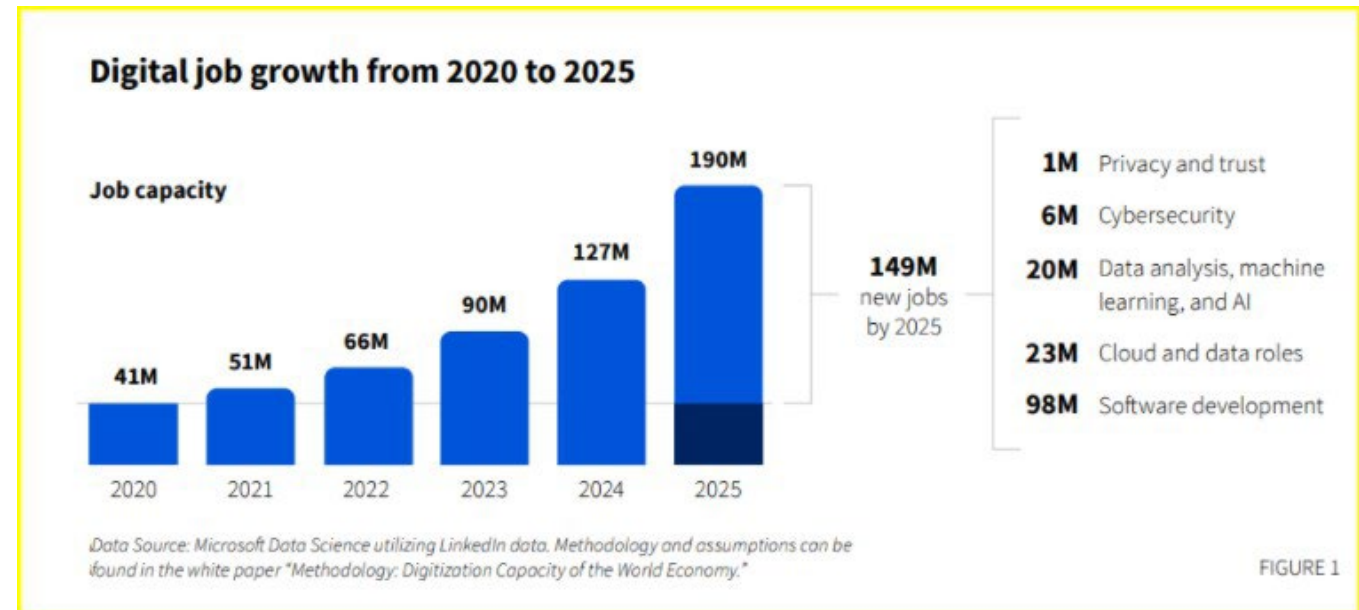
Viewing digital solutions from this **design perspective** leads us to investigate problems from the perspective of the **people** and the **contexts** in which the solutions will be used



What is the future of IT?

Globally jobs that require digital skills are growing with few jobs exempt from using technology.

- 2021 Industry Skills report from online learning platform Coursera, the pandemic has accelerated the rate of digitisation on a global scale
- Microsoft data that shows two years' worth of transformation occurred in just two months.



Projected digital job growth, (World Economic Forum) <https://www.weforum.org/agenda/2022/01/digital-skills-ai-machine-learning-cloud-computing-job/>

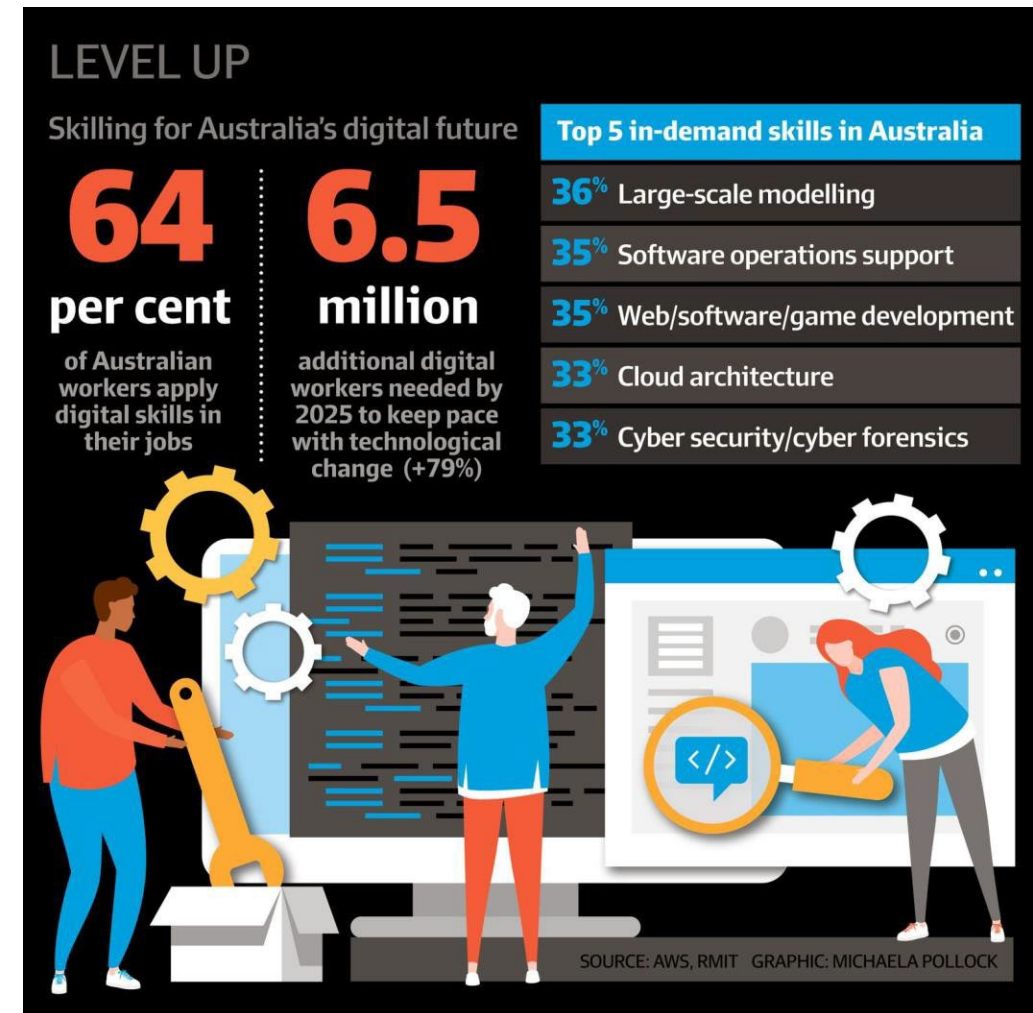
Future demand for technology workers and skills

Amazon Web Services Research

“Australia will require an additional 6.5 million newly-skilled and reskilled digital workers by 2025 to meet future demand for technology skills. That’s 79% more digitally-skilled workers than we have today”.

The technology sector currently contributes about AU\$122 billion to the Australian economy, which is around 6.6% of the country’s GDP. By 2030, that contribution is expected to grow to about AU\$207 billion per year.

<https://www.aboutamazon.com.au/news/aws/meeting-the-challenge-of-bringing-digital-skills-to-6-5-million-australians>



In Demand Skills

Top ten skills demanded in ICT jobs

Source - ACS Australia's Digital Pulse

<https://www2.deloitte.com/au/en/pages/economics/articles/australias-digital-pulse.html>

These are key attributes that you will be developing in this program designed to help you become *job-ready graduates*.

Table 3.1: Top ten skills demanded in ICT job postings, 2020

Rank	Skill	Job postings (no.)	ICT job postings requesting that skill (%)
1	Communication Skills	28,539	42%
2	Teamwork/Collaboration	15,232	23%
3	Problem Solving	12,259	18%
4	Planning	11,406	17%
5	SQL	9,789	14%
6	Customer Service	9,096	13%
7	Project Management	8,343	12%
8	Troubleshooting	7,372	11%
9	Writing	7,292	11%
10	Java	6,889	10%

Source: Burning Glass custom data (2021).

Creativity

Building high quality IT systems starts from understanding the problem and then generating and evaluating ideas for digital solutions, in addition to learning to code and learning about working with data

Significant amount of IT work is away from the computer

The work of an ICT professional is far from the stereotype of endless hours alone at the keyboard.



MInfTech

Brief Overview:

- Technology (programming, databases, design)
- Studio (team-based projects, open-ended problems, integrate knowledge from other courses)
- Choice of **practice-based project** stream, or **research-based** thesis stream
- Electives (courses chosen from IT specialisms, make sure you have the pre-reqs skills)



Master of Information Technology

Commencing Semester 1

1 The study plan below shows the required:

Core Courses

2 Complete exactly 2 units of **Flexible Core Courses** from the options below:

Sem 1 **INFS7202**

Sem 2 **DECO3500**

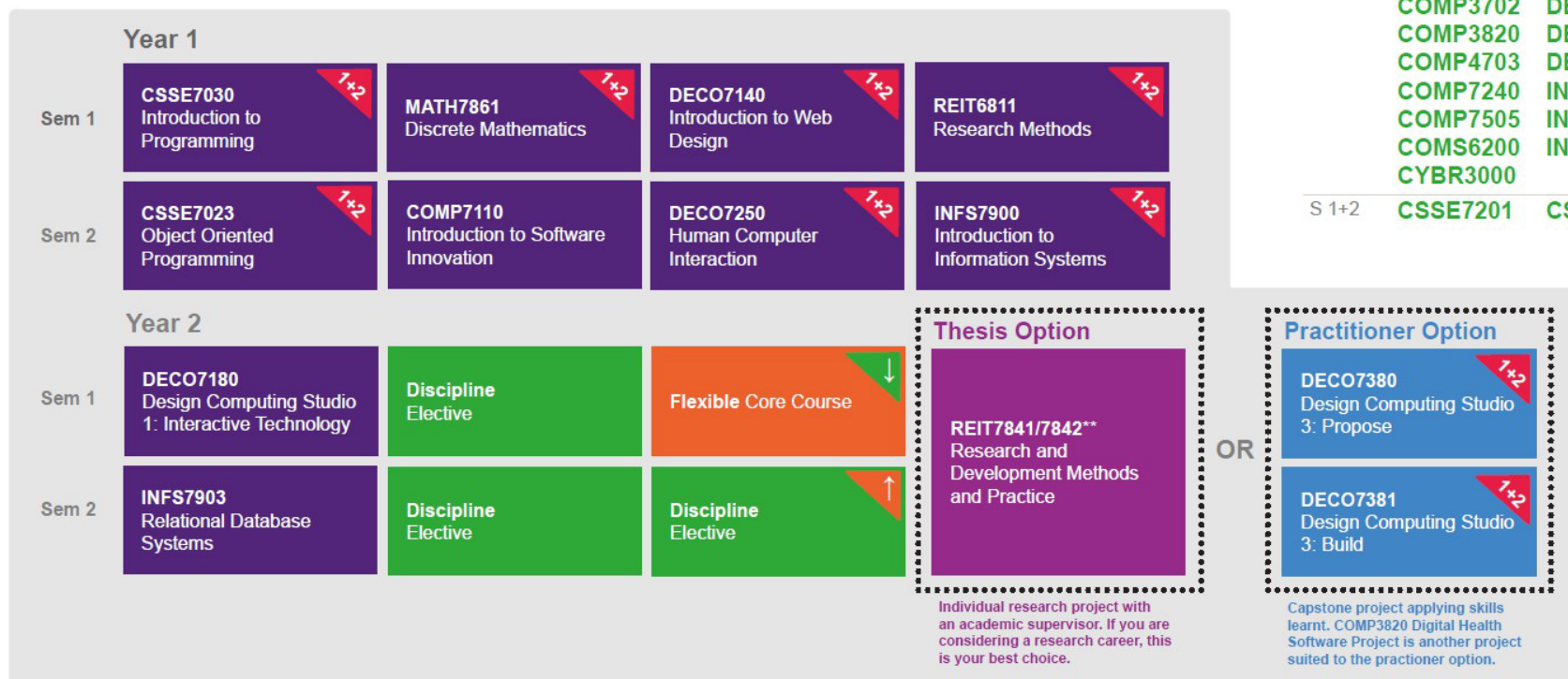
3 Complete 4 units of **Research Courses** in year 2 for either of the following:

- **Thesis Option**
- **Practitioner Option**

**Students commencing Thesis Option in Semester 1 enrol in REIT7841 for both semesters. Students commencing Thesis Option in Semester 2 enrol in REIT7842 for both semesters.

4 Complete exactly 6 units of **Discipline Electives**, accounting for prerequisites:

Sem 1	COMP7703	DECO7110
	COMS3200	DECO7220
	COMS4507	INFS3200
Sem 2	COMP3301	DECO6500
	COMP3702	DECO7230
	COMP3820	DECO7281
	COMP4703	DECO7285
	COMP7240	INFS3208
	COMP7505	INFS7203
	COMS6200	INFS7410
	CYBR3000	
S 1+2	CSSE7201	CSSE7231



**Students commencing in Semester 1 enrol in REIT7841 for both semesters. Students commencing in Semester 2 enrol in REIT7842 for both semesters. Seek advice from the School of EECS if you have any questions or if you fail any courses. Email studentenquiries@eeecs.uq.edu.au. Students must follow the program rules. Future course offerings are subject to change. Study plan published 2025.

CRICOS code 00025B Course offered in both Sem 1 and 2.

EAIT Student Employability

CONNECT

Networking doesn't just mean with industry contacts. Look to your student cohort and UQ contacts to build your network. You never know where it might lead to.

CO-CURRICULAR

Participating in co-curricular activities will help you stand out in the recruitment process and will provide you with extra content for your resume and interviews.

CAREERS

Start early, enhance your employability throughout your degree to be job ready!



Join the
EAIT Student
Employability Team
facebook page for
opportunities



Join the
EAIT Student
Employability Team
LinkedIn page for
opportunities



Sign up for industry
mentoring programs
like the Meet a
Mentor



Join student
societies, there
are over 220 to
choose from



Book a consult
with an EAIT
Employability
Advisor to discuss
your employability



Meet new people
through sporting
teams or special
interest groups
at UQ



Get involved
in summer or
winter research
projects



Join UQ
Ventures for new
entrepreneurship
skills



Apply for
the UQ
Employability
Award



Attend EAIT
Employability
events and
workshops



Become an EAIT
Ambassador and
inspire the next
generation of
students



Get global
experience



Complete work
experience and
internships
throughout your
degree



Record and
submit your
EPP hours and
reflective journals
on time



Complete the online
Career Kickstarter
modules to create
your resume and
cover letter



Start applying for
graduate positions
and researching
companies of
interest to you



Apply for
scholarships-
every year



Develop and
practice your
elevator pitch



Start in first year. Set yourself apart
**Visit us, Level 3, Hawken Engineering
Building (50)**

<https://www.eait.uq.edu.au/employability>

It's important to enhance your
employability while at university!
Don't leave it until your final year.

Enrichment experiences during your UQ program!



Student-Staff Partnerships (projects)

- Students and staff collaborating on projects that enhance the student experience
- 4 rounds per year
- 15 – 21 weeks

Summer/Winter Research Program

- Working on research projects with leading academics and researchers
- 6 – 10 weeks over the break

Employability Award

- Gain recognition for your involvement outside your studies
- Runs for the duration of your degree program
- Register at any time

Find out more at:

 employability@uq.edu.au

 employability.uq.edu.au/get-the-edge

Protect yourself from scams



Stop

Never click on links or respond to unexpected calls or messages without pausing first to consider whether they could be fake. Always be cautious of any urgent demands.



Check

Check if the sender is legitimate before responding by contacting the organisation using details off their website to confirm if they had requested information.



Report

If you encounter a potential scam or phishing attempt, report it to cyber.gov.au/report. If it involves a UQ account, advise the Cyber Security Team by reporting a cyber concern at <https://my.uq.edu.au/cyber-security>.

Common scams targeting students

University fees



- Scammers claim to be 'agent' from UQ and offer discounts.
- Only pay fees via mySI-net through the Financials tile.
- Contact the Fees team on 07 3365 2328 for further advice.

Government agencies



- Scammers claim to be from e.g. the Chinese Embassy or other overseas government departments, police or the Australian Tax Office (ATO).
- They demand payments and threaten arrest or deportation.
- Often request payment via overseas wire transfers, gift cards, cryptocurrency, cash transfers and payments via WeChat/Alipay.

Rental property



- Scammers try to lure you into providing money and personal information for a property that doesn't exist.
- Check credentials of private advertisers promoting rental properties.
- Never transfer money until you have inspected the property and signed an RTA lease agreement, including bond.

Employment



- Random job offers, particularly when you have not applied for a position.
- Verify the existence of the business and person offering the job.

**A government agency will never threaten you with immediate arrest or demand payment through unusual means.
Contacting the Australian police will not impact your visa status.**

Report cybercrime at cyber.gov.au/report.

Visit the Australian Signals Directorate (ASD) website for more information at cyber.gov.au OR phone 1300 026 130 OR 1300 292 371

What types of scholarships does EAIT offer?

- **EAIT has over 50 scholarships on offer!**

Merit

- For high achieving students

Financial Hardship

- For students who may be otherwise unable to meet their education-related expenses

Experience

To support students undertaking overseas exchanges, conferences etc.

Regional and Remote

- For students who have relocated from a Regional or Remote area

Aboriginal or Torres Strait Islander

For students who identify as Aboriginal and/or Torres Strait Islander

Diversity

- For under-represented groups such as those who identify with the LGBTIQ+ community, people with a disability etc.

Academic Integrity and Plagiarism

The University takes academic integrity very seriously.

You must:

- **Not** use the work of others without appropriate referencing and citation
- **Not** share code for individual assignments
- Know when group work is appropriate and not appropriate
- **Not** let others use your work or answers
- Ask your lecturer (**before** the due date) if you're not sure
- Very effective Electronic detection of plagiarism is used; and *severe penalties* apply!

Compulsory Information and Online Learning Module: <https://tinyurl.com/uqintegritymodule>

University Conduct Guidelines: <https://tinyurl.com/uqmisconduct>

School Conduct Guidelines: <https://tinyurl.com/eecsmisconduct>

Getting Help And Support

- Help with your academic work?

- Demonstrators in class; course coordinators; check course profile and website
- UQ Library: workshops and support for finding information
- UQ Student Services Learning advisors & Workshops

- Problems working out what courses to enrol in?

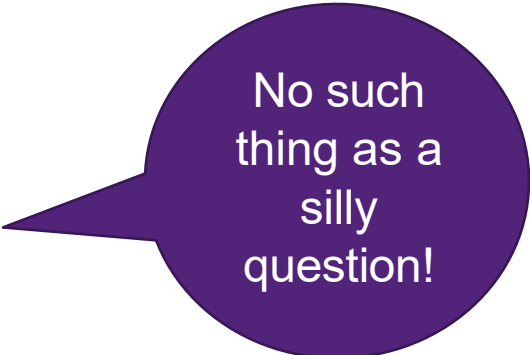
- Program Orientation Sessions during orientation week
- Academic Advisors: <https://www.eait.uq.edu.au/academic-advice>

- Problems within your courses?

- [EECS School Office](#): 78-425 (GPSouth Building)
- Book appointments to talk to **academic advisors**



ASK
EARLY!



No such
thing as a
silly
question!

Getting Help And Support Continued

- **Problems with your program/degree?**

- Adding or changing courses (subjects) or changing your degree?
- Interpreting or arranging your timetable?
- Applying for credit for previous studies?

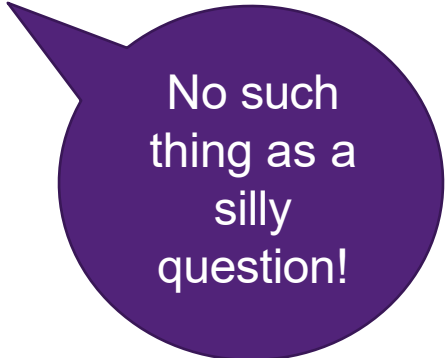
Contact EAIT Faculty Office: 50-S204 (Hawken Engineering Building)

<https://www.eait.uq.edu.au/contact>

- **UQ Student Central:** International advisers; Disability Advisers; Counsellors; Accommodation; Employment: <https://my.uq.edu.au/contact/student-central>
- **Look after yourself:** Sleep, exercise, eat well



ASK
EARLY!



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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 7/07/2025)

3. Classes are then allocated automatically with personal timetable released **12pm 14/07/2025**

Class Adjustment by 9am **(11/08/2025)**:

Didn't get the time you wanted, or now need to change times?

4. 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 8th August 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): **Sunday 31st August 2025**
- Last day to withdraw from a course without academic penalty: **Tuesday 30th September 2025**

Thank you! 😊

Any questions?

Lunch & Expo @ UQ Centre

