Information Technology & Interaction Design

Welcome
A/Prof Stephen Viller
Program Group Convenor: IT & Interaction Design
Discipline Leader: Human-Centred Computing
What is IT?

- Communication
- Software
- Servers
- Applications
- 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 would
What is the future of IT?

Career in this area are changing along with advances in technology

- 60% of Australian students are training for jobs that will not exist in the future or will be transformed by technology

lmip.gov.au
Future demand for technology workers and skills

Deloitte/ACS (Australian Computer Society) Digital Pulse
“Annual snapshot of the state of Australia’s digital economy”

Australia’s technology workforce is forecast to grow by 100,000 workers in trend terms between 2018 and 2024, at an average annual growth rate of 2.3% (exceeding overall workforce growth of 1.3% p.a.).

Technology workers will need another 164,000 qualifications over this period in trend terms, with 121,000 of these in higher level postgraduate and undergraduate degrees.

The largest increase in technology workers is expected in ICT-related industry areas, where demand will increase by over 43,000 by 2024 in trend terms. The health care industry is forecast to see the fastest technology workforce growth, at 7.3% per annum and adding more than 9,000 technology workers over this period.
Forecast increase in technology workers by industry

- **ICT-related industry subdivisions**: 2.0% p.a.
- **Rest of Professional, scientific and technical services**: 3.7%
- **Public administration and safety**: 3.4%
- **Health care and social assistance**: 7.3%
- **Education and training**: 3.1%
- **Financial and insurance services**: 1.2%
- **Wholesale trade**: 2.0%
- **Administrative and support services**: 2.9%
- **Arts and recreation services**: 3.9%

Source: Deloitte Access Economics (2019)
Creativity

Building high quality IT systems starts from understanding the problem and then generating and evaluating ideas for digital solutions.
Master of Information Technology

Welcome
Dr Mashhuda Glencross
MInfTech

Areas of study:

• 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)
Essential Information and Getting Started
UQ Terminology

- **Program** = degree you’re studying, e.g. MInfTech

  - Each course has a course code (e.g. “CSSE7030”)

- **Course** = subject

- **Unit** = measure of workload of a course

  - Most courses are 2 units
  - Standard study load is 8 units per semester (4 courses)
  - MInfTech requires 32 units (typically 4 semesters = 2 years)

- **Faculties**: Administer degree programs

- **Schools**: Teach courses and give academic advice

- Getting Started at UQ: www.uq.edu.au/startingatuq
Master of Information Technology Structure

Practice

- 16 units (part A) (compulsory)
- 6 - 8 units (part B Research)
  DECO7380
  DECO7381
  ENGG7811
- 6-10 units (part C)
- 0 - 4 units (electives)

OR

Research

- 16 units (part A) (compulsory)
- 6-8 units (part B Research)
  Masters Thesis
- 6-10 units (part C)
- 0 - 4 units (electives)

32 units
### Year 1 – Master of Information Technology Enrolment

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
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</table>
| 1        | CSSE7023*  
            | DECO7250  
            | Elective  
            | MATH7861*  |
| 2        | CSSE7030*  
            | DECO7140  
            | DECO7180  
            | INFS7900*  |

*Offered both semesters

Seek advice about electives and research options for year 2
Timetables, Changing & Dropping Courses

  1. Go to ‘mySI-net’ to Enrol in chosen course
  2. Go to ‘My Timetable’ to use the allocate+ system to preference class times (through till 23/7/2020).
  3. Classes then allocated automatically with personal timetable released 28/7/2020
  4. Class Adjustment (28/7/20-14/8/20): 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 name to waitlist to swap to preferred class
     • Contact eait.mytimetable@uq.edu.au if you still have unavoidable clashes

- Need to change courses? Go to step (1) then (4) above. Adding courses is available till Friday 14/8/2020.

- Need to drop a Courses?
  • International students MUST discuss with EAIT faculty office before reducing below #8.
  • Census date (last day to drop a course without financial liability): **31st August 2020**
  • Last day to withdraw from a course without academic penalty: **30th October 2020**

Save the dates. ✅
Other Enrollment Planning Considerations

• Credit for Previous Studies:
  - **Previous UQ students:** Credit will be automatically assessed by Faculty
  - **Other students:** Apply to Faculty and include course outlines and official, original transcripts from the other institution

  - Semester long exchanges: Only really possible in your final semester.
  - Short Term Experiences
Course Profiles & Websites

Describes what you should expect in a course:

- Topics covered
- Expected learning outcomes
- Assessment
- Calculator restrictions
- Textbooks
- Other important information
- Access via my.UQ, Blackboard or Courses & Programs: www.my.uq.edu.au/programs-courses.

Each course will have a website available from: www.learn.uq.edu.au
Email

All official communication is sent to your student email account
• You may choose to forward this to an alternative email address
• It is assumed such emails are received and read

If you email us always include:
• Your full name
• 8 digit student number
• Program (e.g. BE (Hons), BCompSci, MInfTech, etc.)
• Plan if applicable (e.g. Civil Engineering)
• Contact telephone number
Essential Policies

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

Electronic detection used, penalties apply!

www.itee.uq.edu.au/itee-student-misconduct-including-plagiarism

OH&S
Safety on campus is everyone’s responsibility.

You must:
• Follow guidelines/rules for any teaching space – these vary depending on the particular space/activity.
• No Food/Drinks in computer labs
• Don’t use swipe card to let anyone else into labs.
• Any devices (i.e. computer chargers) must be tested & tagged -
  http://www.eait.uq.edu.au/workshops/test-tag-sessions
  https://www.itee.uq.edu.au/laboratory-oh-s
Tips for Successful Transition to Study at UQ
Balance your Life & Enjoy Your time at UQ

• Ensure you have stable living and transport arrangements
• Carefully balance Study/Work/Social/Hobbies/Family Responsibilities
  - Clubs and Societies day today
  - Market Day: During week 1 of teaching
• Computing related societies:
Getting Help And Support

• Help with your academic work?
  - Tutors in class; course coordinators; check course profile and website
  - ITEE learning centre 78-217, and tutors: 78-204
  - UQ Library: workshops and support for finding information
  - Student Services Learning advisors & Workshops

• Problems working out what courses to enrol in or problems within your courses?
  - ITEE School Office: 78-425 (GPSouth Building)
  - Book appointments here to see academic advisors

• Problems with your program/degree?
  - EAIT Faculty Office: 50-S204 (Hawken Building)

• EAIT Student Employability Team: Help get prepared for professional job applications! www.eait.uq.edu.au/employability, 50-C305

• Student Services: International advisers; Disability Advisers; Counsellors; Accommodation; Employment

• Look after yourself: Sleep, exercise, eat well

ASK EARLY!
No such thing as a silly question!
What’s Next?

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
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<tbody>
<tr>
<td>1.45–3.45pm</td>
<td>Program Information Sessions&lt;br&gt;Specific information sessions for your degree to help you choose your courses and meet students and staff in your program.</td>
</tr>
<tr>
<td>3.45–5.30pm</td>
<td>EAIT Online Expo&lt;br&gt;Connect with clubs and societies related to your study areas, Support Teams, and learn about opportunities to get involved.</td>
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All Sessions Online: Details of how to connect available from: <br>https://www.eait.uq.edu.au/orientation