Recording of this Presentation

Students, please be aware that this session is being recorded so it can be made available via the Faculty of EAIT orientation page. The reason we are recording the orientation presentation is to make it available for your future reference, and to support students who may not have been able to attend today’s session.

Suggested options for students on zoom not wishing to be recorded:

• Turn off video and mute audio
• Use a proxy name for Zoom (student attendance will still be on record with the Course Coordinator)

Please note that students are not permitted to record teaching without the explicit permission of the Course Co-ordinator. This includes recording classes using Zoom.

For further information:

• PPL 3.20.06 Recording of Teaching at UQ
Covid-Safety today

• You will need to check-in with the “Check in Qld” App at each building you visit
• Maintain 1.5m distancing:
  - Spread out to use space in rooms
  - Observe 1.5m spacing during queuing
• Masks: You will be required to wear a face mask for the majority the day (and absolutely mandatory where 1.5m spacing is not possible).
• Follow hand hygiene, and (particularly during afternoon activities) sanitise hands and wipe tables regularly.
• If you are unwell now or become unwell during the day, please let a staff know as soon as possible (cough, fever, sore throat, fatigue, loss of smell or taste, vomiting, diarrhoea or shortness of breath)
• Please observe the directions of staff throughout the day
What’s Next?

• **10.30am-12.00**: Welcome Presentation (Hawken)
• **12.15-1.15pm (Level 2 Hawken)**:
  - EAIT Expo & Lunch: Meet student societies and ways you can get involved, and grab some lunch.
  - Drop-in Academic Advising: Got questions about your courses for this semester?
• **1.15-3.15pm (49-301)**: Group Orientation Activities
• **4.00-5.00pm**: International Students Information & Support (Zoom) – see orientation website

UQ Nav App: https://my.uq.edu.au/mobile-apps
Bachelor of Information Technology

Welcome
Dr Chelsea Dobbins
What is IT?

• IT (sometimes called ICT) professionals design and build the digital systems we use in our everyday lives
  • Commerce
  • Transport
  • Entertainment
  • Social
• Successful careers in many different areas of industry and parts of society
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

Projected employment changes by occupation, (‘000s and percentage growth)
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.
Technology workers by industry (2019)

- ICT-related industry subdivisions: 352,054
- Rest of Professional, Scientific and Technical Services: 94,813
- Financial and Insurance Services: 62,552
- Public Administration and Safety: 61,436
- Education and Training: 28,293
- Retail Trade: 25,340
- Manufacturing: 23,891
- Wholesale Trade: 17,343
- Health Care and Social Assistance: 15,989
- Other industries: 90,464

Source: ABS customised report (2020)
Forecast increase in technology workers by industry

<table>
<thead>
<tr>
<th>Industry Subdivision</th>
<th>Growth 2018-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICT-related industry subdivisions</td>
<td>2.0% p.a.</td>
</tr>
<tr>
<td>Rest of Professional, scientific and technical services</td>
<td>3.7%</td>
</tr>
<tr>
<td>Public administration and safety</td>
<td>3.4%</td>
</tr>
<tr>
<td>Health care and social assistance</td>
<td>7.3%</td>
</tr>
<tr>
<td>Education and training</td>
<td>3.1%</td>
</tr>
<tr>
<td>Financial and insurance services</td>
<td>1.2%</td>
</tr>
<tr>
<td>Wholesale trade</td>
<td>2.0%</td>
</tr>
<tr>
<td>Administrative and support services</td>
<td>2.9%</td>
</tr>
<tr>
<td>Arts and recreation services</td>
<td>3.9%</td>
</tr>
</tbody>
</table>

Source: Deloitte Access Economics (2019)
BInfTech

Areas of study:

• Technology (programming, databases, design)
• Studio (team-based projects, open-ended problems, integrate knowledge from other courses)
• Electives (courses chosen from IT specialisms or from other areas altogether, e.g. languages, business, etc.)
Essential Information and Getting Started
UQ Terminology

• **Program** = degree you’re studying, e.g. BInfTech, BCompSc or dual degree

• **Course** = subject
  - Each course has a course code (e.g. “CSSE1001”)

• **Unit** = measure of workload of a course
  - Most courses are 2 units
  - Standard study load is 8 units per semester (4 courses)
  - BInfTech require 48 units (typically 6 semesters = 3 years)

• **Faculties**: Administers of degree programs

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

• Getting Started at UQ: [www.uq.edu.au/startingatuq](http://www.uq.edu.au/startingatuq)
Bachelor of Information Technology Structure

Complete 48 units comprising:

- 16 units for all BInfTech Core Courses, and
- 16 to 32 units for BInfTech Plan Options, and
- 0 to 16 units from BInfTech Breadth Elective Courses, and
- 0 to 16 units from BInfTech Program Elective Courses, and
- 0 to 16 units from General Elective Courses
# Bachelor of Information Technology Structure

<table>
<thead>
<tr>
<th>Option</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>No Major</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>48 units</td>
<td></td>
</tr>
<tr>
<td><strong>Single Major</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 units</td>
<td>(Core Courses) (compulsory)</td>
</tr>
<tr>
<td></td>
<td>6 units</td>
<td>(IT Extension Courses)</td>
</tr>
<tr>
<td></td>
<td>10 units</td>
<td>(IT Advanced Electives. Up to 26 units. At least 4 units at level 3.)</td>
</tr>
<tr>
<td></td>
<td><strong>16 units</strong></td>
<td>(Program or General Electives)</td>
</tr>
<tr>
<td><strong>Single Minor</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 units</td>
<td>(Core Courses) (compulsory)</td>
</tr>
<tr>
<td></td>
<td>6 units</td>
<td>(IT Extension Courses)</td>
</tr>
<tr>
<td></td>
<td>8 units</td>
<td>(from one IT Minor)</td>
</tr>
<tr>
<td></td>
<td><strong>2 units</strong></td>
<td>(IT Advanced Electives. Up to 18 units)</td>
</tr>
<tr>
<td></td>
<td><strong>16 units</strong></td>
<td>(Program or General Electives)</td>
</tr>
<tr>
<td><strong>Major + Minor</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>16 units</td>
<td>(Core Courses) (compulsory)</td>
</tr>
<tr>
<td></td>
<td>6 units</td>
<td>(IT Extension Courses)</td>
</tr>
<tr>
<td></td>
<td>16 units</td>
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</tr>
<tr>
<td></td>
<td>8 units</td>
<td>(from one IT Minor)</td>
</tr>
<tr>
<td></td>
<td><strong>2 units</strong></td>
<td>(IT Advanced Electives. Up to 18 units)</td>
</tr>
<tr>
<td></td>
<td><strong>16 units</strong></td>
<td>(Program or General Electives)</td>
</tr>
<tr>
<td><strong>Two Majors</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
<td></td>
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<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>16 units</strong></td>
<td>(from one IT Major)</td>
</tr>
</tbody>
</table>

*number of units depends on how many Advanced Electives have been taken

**where courses that are compulsory in both majors must be substituted by program electives at the same level or higher**
BInfTech

Majors offered:
• Software Design
• Software Information Systems
• User Experience Design

Minor offered:
• Computer Systems

https://my.uq.edu.au/programs-courses/requirements/program/2453/2021
## Year 1 – Bachelor of Information Technology Enrolment

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Elective</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DECO1100 Design Thinking</td>
<td><strong>Elective</strong></td>
</tr>
<tr>
<td>2</td>
<td>CSSE1001* Introduction to Software Engineering</td>
<td>INFS1200* Introduction to Information Systems</td>
</tr>
<tr>
<td></td>
<td>MATH1061* Discrete Mathematics</td>
<td><strong>Elective</strong></td>
</tr>
</tbody>
</table>

*Offered both semesters

Seek advice about electives and/or deviating from the plan

Dual Degree Programs

• Dual Degrees Available With BInfTech:
  - Arts
  - Business Management
  - Commerce
  - Engineering (Hons)
  - Science

• To enter dual degree if in single degree:
  - Apply via mySI-net or QTAC as per advice on myUQ
  - Must meet entry criteria (OP/rank cut-off and prerequisites for both)

• To drop back to single degree if in dual degree
  - Apply for program change via mySI-net by Friday before Orientation Week - July 16 for Sem 2, 2021

Typical Year 1 Enrolment Pattern:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>IT course</td>
</tr>
<tr>
<td>2</td>
<td>IT course</td>
</tr>
</tbody>
</table>

• Academic advice strongly recommended!
• Engineering duals will typically have 3 Engineering courses per semester in Year 1 & 2
Timetables, Changing & Dropping Courses

• Class Enrolment and Allocation is via Allocate+ system via your my.UQ Dashboard: http://my.uq.edu.au/
  1. Go to ‘mySI-net’ to Enrol in chosen course
  2. Go to ‘My Timetable’ to use the allocate+ system to preference class times (4pm Friday 2 July 2021).
  3. Classes then allocated automatically with personal timetable released 12 July 2021
  4. Class Adjustment (12/7/21-9/8/21): 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 or swapping courses is available till Friday 6 August 2021
• Need to drop a Course/ s?
  • International students MUST discuss with EAIT faculty office before reducing below #8.
  • Census date (last day to drop a course without financial liability): 31 August 2021
  • Last day to withdraw from a course without academic penalty: 30 September 2021

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: Good to start planning in year 1
  - Short Term Experiences

• Honours Year:
  - Optional fourth year after completion of your program
  - Advanced coursework and honours project
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](http://www.my.uq.edu.au/programs-courses)

Each course will have a Blackboard website available from: [www.learn.uq.edu.au](http://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 (including your lecturers) always include:
• Your full name
• 8 digit student number
• Program (e.g. BInfTech, BE (Hons), BCompSci, 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

Very effective Electronic detection of plagiarism is used; and severe 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](http://www.eait.uq.edu.au/workshops/test-tag-sessions)

Electronic detection used, penalties apply!

https://www.itee.uq.edu.au/laboratory-oh-s
Tips for Successful Transition to Study at UQ
# Transition – Some Differences from High School

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>HIGH SCHOOL</th>
<th>UNIVERSITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priorities</td>
<td>Teachers and schools set.</td>
<td>You balance: study, work, fun…</td>
</tr>
<tr>
<td>Study</td>
<td>Mostly in class; homework = back-up.</td>
<td>You schedule: 2 - 3 h for every h in class.</td>
</tr>
<tr>
<td>Reading/reviewing</td>
<td>Sometimes listening in class was enough.</td>
<td>You need to review notes/ texts regularly.</td>
</tr>
<tr>
<td>Due dates</td>
<td>Teachers remind you.</td>
<td>You. Reminders not a given – use Course Profiles/ Blackboard.</td>
</tr>
<tr>
<td>Seeking help</td>
<td>Teachers approach you if they believe you need assistance.</td>
<td>You need to initiate contact for assistance.</td>
</tr>
<tr>
<td>Availability of help</td>
<td>Teachers often available during the school day.Teachers primary job is teaching students in their classes</td>
<td>You need to make an appointment if outside scheduled course time. For most lecturers, teaching is only 40% of their job.</td>
</tr>
<tr>
<td>Missing a class</td>
<td>Teachers provide you with info you missed when you were absent.</td>
<td>You need to get missed notes from classmates or Blackboard.</td>
</tr>
<tr>
<td>Attending lectures</td>
<td>Teachers monitor class attendance.</td>
<td>Your choice.</td>
</tr>
<tr>
<td>Uncertainty</td>
<td>Assessment highly specified</td>
<td>Assessment requirements may include deliberate uncertainty</td>
</tr>
</tbody>
</table>
Transition – Time Management

Each course is designed with the expectation you spend 10-12 hours per week of combined class/study time to pass the course.

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>HIGH SCHOOL</th>
<th>UNIVERSITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class time (per week)</td>
<td>30 h (6 h/d)</td>
<td>15 to 20 h (?? h/d)</td>
</tr>
<tr>
<td>Class schedule</td>
<td>Continuous: 0900-1500</td>
<td>Not continuous: 0800-2000</td>
</tr>
<tr>
<td>Yearly commitment</td>
<td>40 weeks (4 terms)</td>
<td>2 x 13-week semesters of lectures followed by 1-week for study (swot vac) and 2-weeks exams</td>
</tr>
</tbody>
</table>

- Draw up a weekly schedule of class and study time.
- Use a semester calendar to show assessment submission dates.
Balance your Life & Enjoy Your time at UQ

• Enjoy your independence!
• Ensure you have stable living and transport arrangements
• Carefully balance Study/Work/Social/Hobbies/Family Responsibilities
  - Market Day: Wednesday, 17 February, 10:00am to 2:00pm at the Great Court
• Computing related societies:
Getting Help And Support

• Help with your academic work?
  - Tutors in class; course coordinators; check course profile and Blackboard 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