



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

Information Technology & Interaction Design

Welcome

A/Prof Stephen Viller

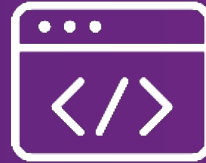
Program Group Convenor: IT & Interaction Design

Discipline Leader: Human-Centred Computing

What is IT?



Communication



Software



Servers



Applications



Databases



Hardware

IT & Design

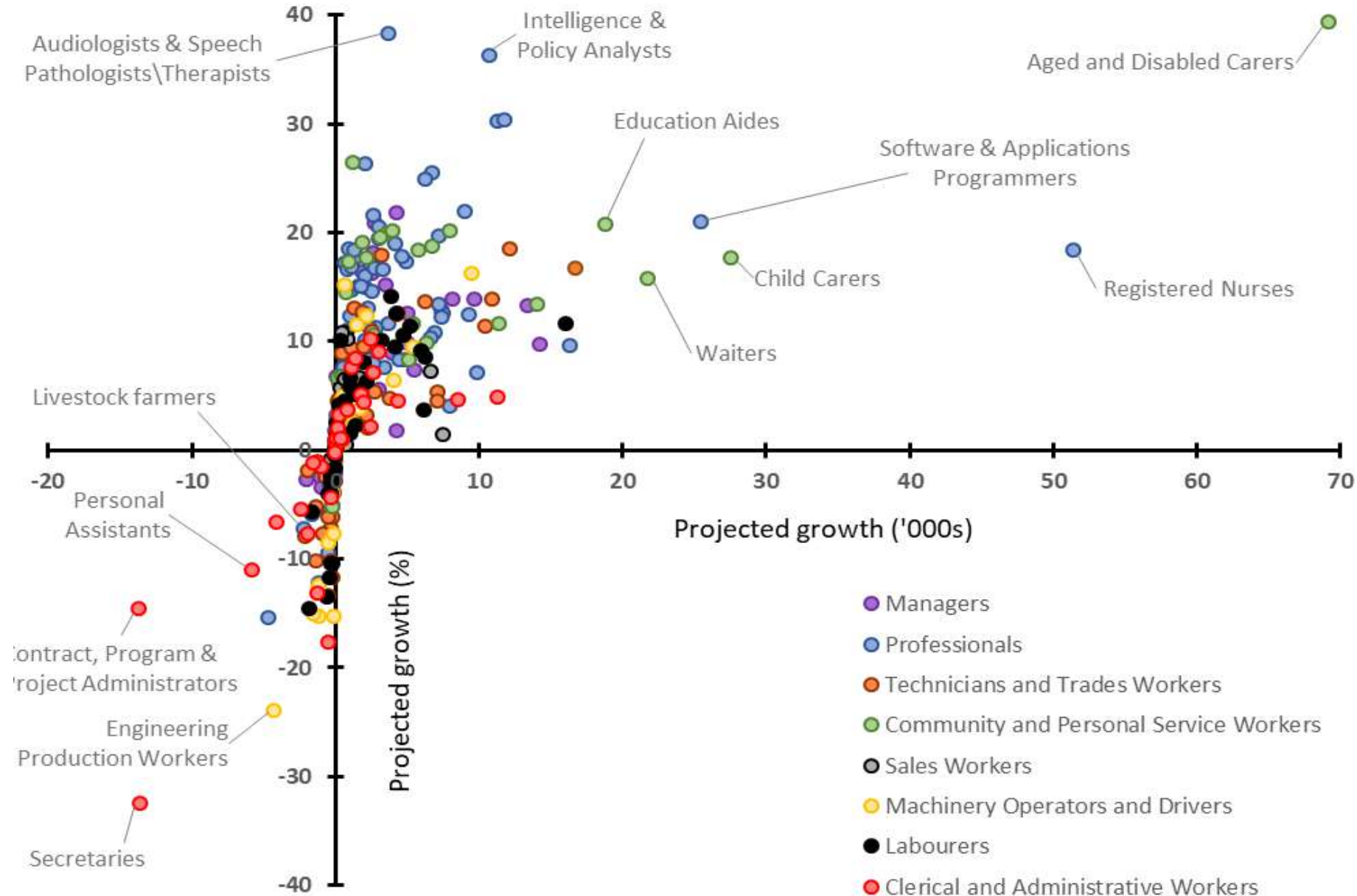
Viewing IT as a design subject makes us look at the problems in the world like an architect would look at the built environment, rather than how a bricklayer would



What is the future of IT?

Career in this area are changing along with advances in technology

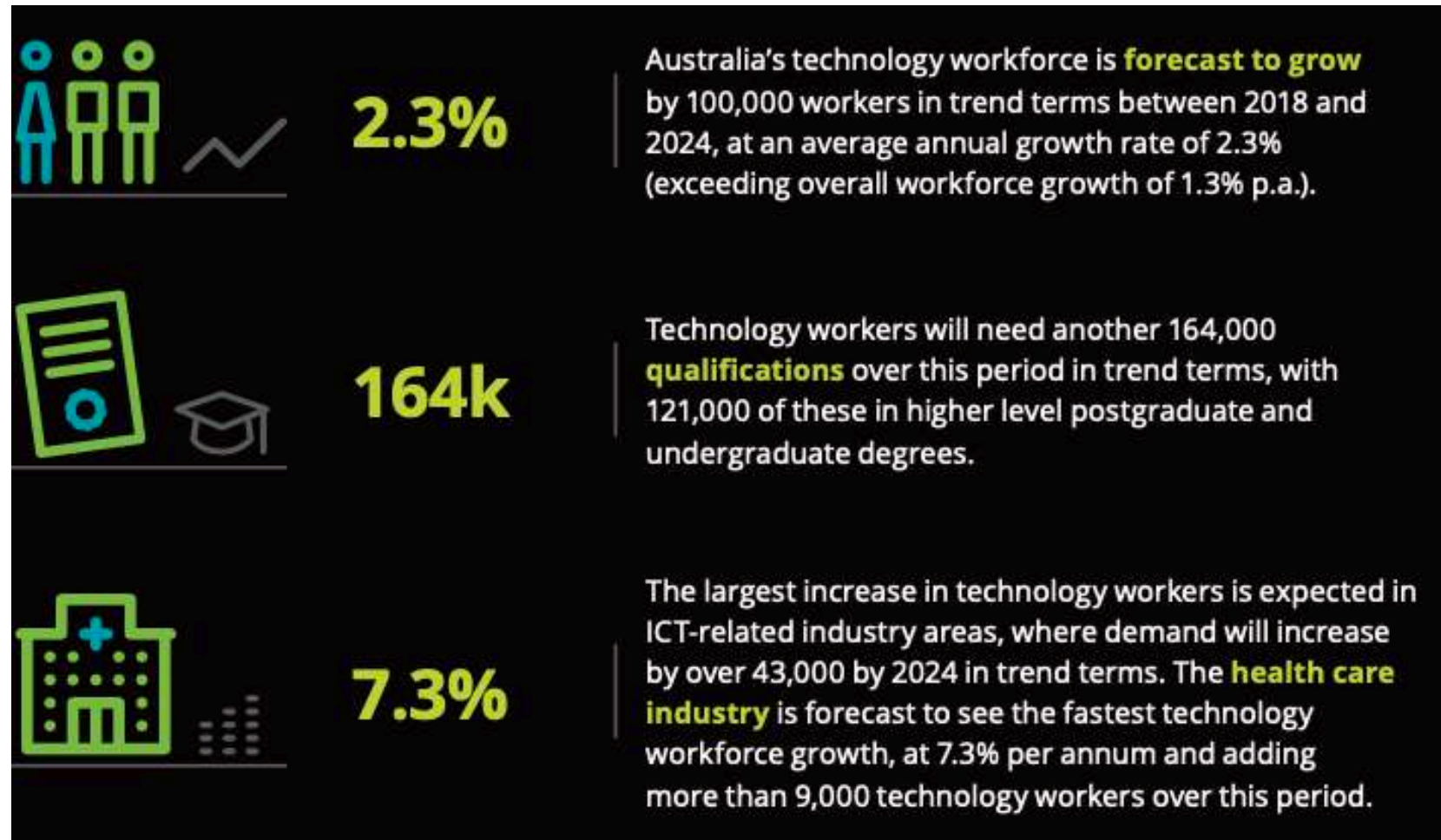
- 60% of Australian students are training for jobs that will not exist in the future or will be transformed by technology
- imip.gov.au



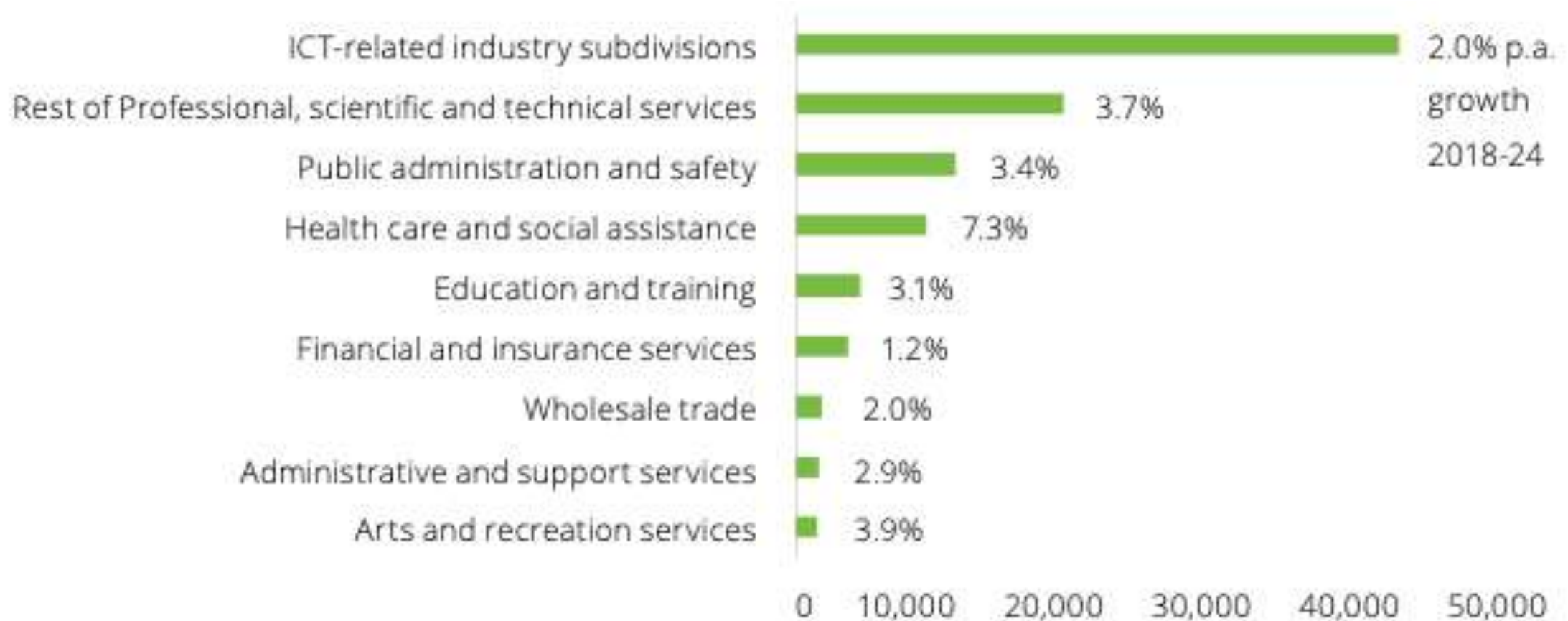
Projected employment changes by occupation, ('000s and percentage growth)

Future demand for technology workers and skills

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



Forecast increase in technology workers by industry



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





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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)





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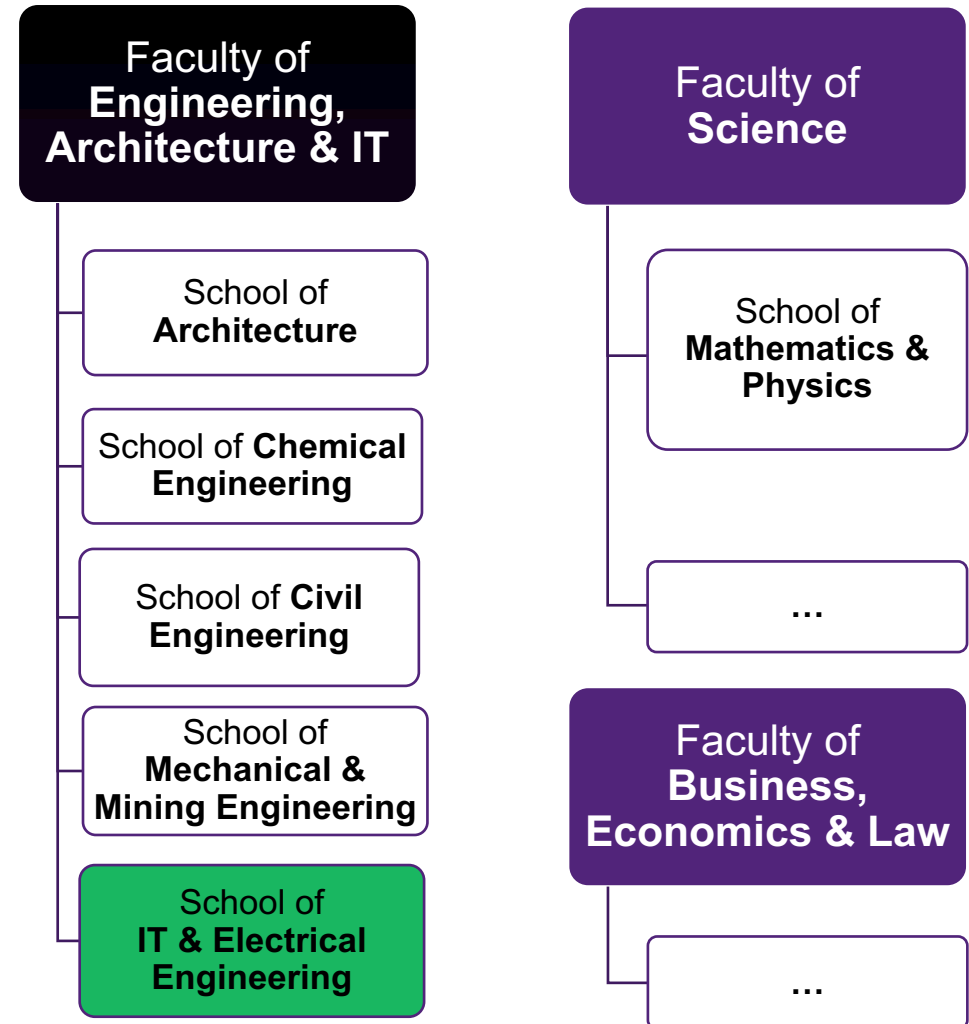
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Essential Information and Getting Started

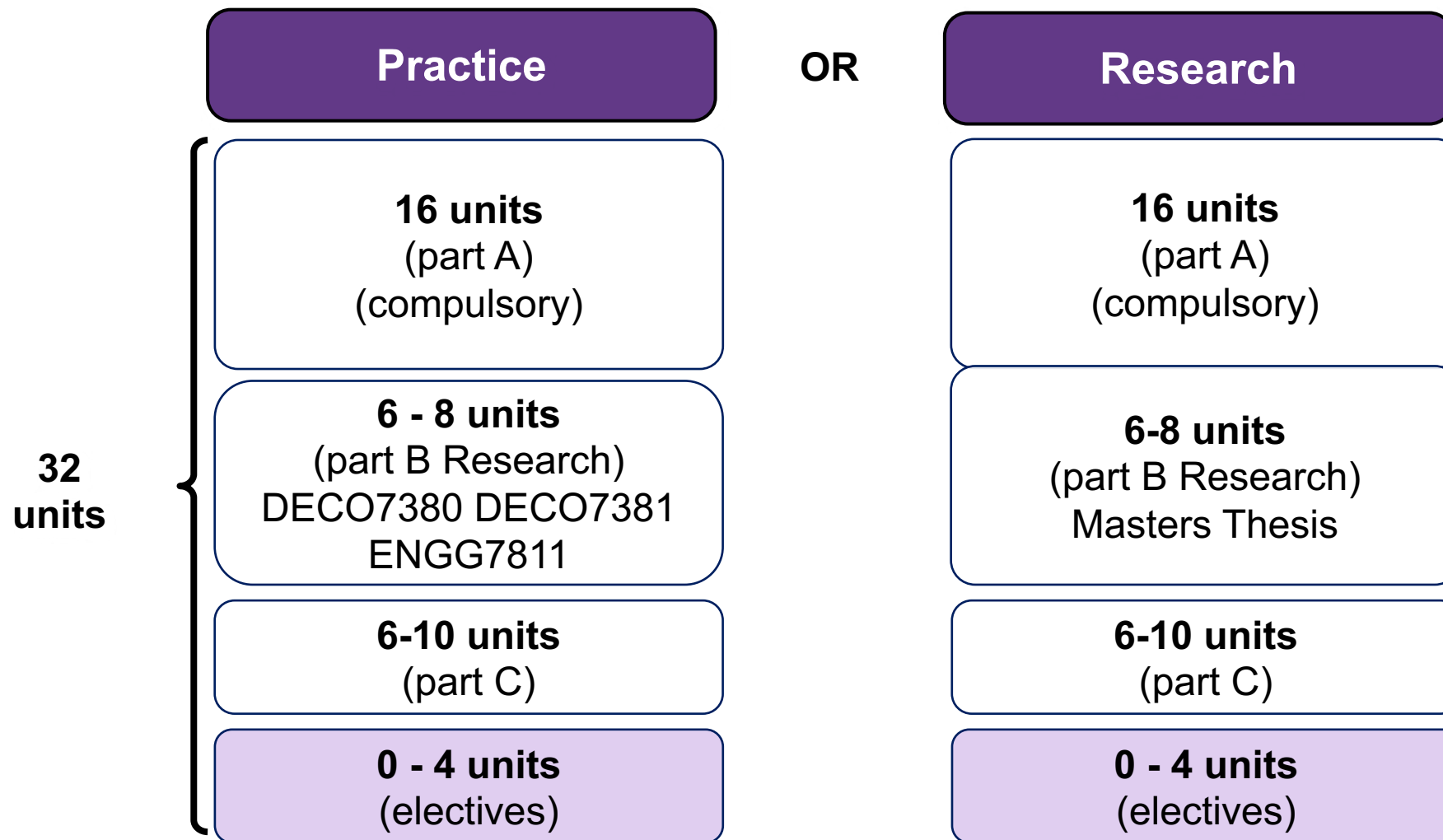
UQ Terminology

- **Program** = degree you're studying, e.g. MInfTech
Course = subject
 - Each course has a course code (e.g. "CSSE7030")
- **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

Whole of UQ



Master of Information Technology Structure



Year 1 – Master of Information Technology Enrolment

Semester	Courses			
2	CSSE7030*	DECO7140	DECO7180	INFS7900*
1	CSSE7023*	DECO7250	Elective	MATH7861*

*Offered both semesters

Seek advice about electives and research options for year 2

Timetables, Changing & Dropping Courses

- Class Allocation is via Allocate+ system via your my.UQ Dashboard: <http://portal.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 (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 eaitsupport@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

GLOBAL EXPERIENCES

- 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
- Consider Global Experiences - <https://www.eait.uq.edu.au/global-experiences>
 - Semester long exchanges: Only really possible in your final semester.
 - Short Term Experiences



Student exchange

Choose from among 180 partner institutions in 41 countries



Short term experiences

Study overseas during the summer and winter breaks

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

CSSE1001 - Introduction to Software Engineering Print

Semester: Sem 1 2019 | **Location:** St Lucia | **Mode:** Internal

Printed: 11 July 2019, 09:05 pm

This printed course profile is valid at the date and time specified above. The course profile may be subject to change during the semester - the online version is the authoritative version.

1. General Course Information

UQ Students: Please access the profile from [Learn.UQ](#) or [mySI-net](#) to access all course contributor details held in this profile.

1.1 Course Details

Course Code: CSSE1001

Course Title: Introduction to Software Engineering

Coordinating Unit: School of Information Technology and Electrical Engineering

Semester: Semester 1, 2019

Mode: Internal

Level: Undergraduate

Location: St Lucia

Number of Units: 2

Contact Hours Per Week: 2L2P1T

Incompatible: COMP1502 or CSSE7030

Course Description: Introduction to Software Engineering through programming with particular focus on the fundamentals of computing & programming, using an exploratory problem-based approach. Building abstractions with procedures, data & objects; data modelling; designing, coding & debugging programs of increasing complexity

Assumed Background:

No prior knowledge of programming is assumed.

1.2 Course Introduction

This course introduces fundamental concepts in software engineering, using the Python programming language. Emphasis is placed on problem solving using computational techniques, creating algorithms and designing classes.

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>



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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
- Connect with other students: In classes, UQ Clubs and Societies: <http://www.uqu.com.au/clubs-societies>
 - Clubs and Societies day today
 - Market Day: During week 1 of teaching
- Computing related societies:
 - UQ Computing Society: <http://uqcs.org.au>
 - Design Society UQ: <https://www.uqu.com.au/club/design-society-uq-dsuq>



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?

1.45–3.45pm: Program Information Sessions

Specific information sessions for your degree to help you choose your courses and meet students and staff in your program.

3.45–5.30pm: EAIT Online Expo

Connect with clubs and societies related to your study areas, Support Teams, and learn about opportunities to get involved.

1.45–3.45pm: Program Information Sessions

Specific information sessions for your degree to help you choose your courses and meet students and staff in your program.

3.45–4.30pm: Support and Tips for International Students

3:45–5.30pm: EAIT Online Expo

Connect with clubs and societies related to your study areas, Support Teams, and learn about opportunities to get involved.

All Sessions Online: Details of how to connect available from:
<https://www.eait.uq.edu.au/orientation>