A quick guide to QUT
for students in Years 7–10
University is for everyone

It doesn’t matter if you don’t know much about uni, or even if you’ll be the first one in your family to go. We have students from many backgrounds and a diverse range of cultures. They feel right at home at QUT—and you will too. There is plenty of help available including entry programs, financial assistance and support—from personal counselling, an accommodation service and career advice through to IT support, academic workshops and disability support. We’ve got you covered.

Ready for a bright future? If there’s a particular career you are dreaming of, make it yours.

At uni you’ll usually start with a bachelor degree, such as a Bachelor of Science. But there’s no need to limit yourself. So if you are studying science, you might also add a language or even complete subjects (units) to your degree.

You can also consider a double degree which combines two bachelor degrees, giving you even more skills and options in your study and career.

Time is on your side

Going to uni might seem like a big time commitment now, but given that you’ll probably have several different careers over your lifetime, it’s a worthwhile investment. A bachelor degree normally takes 3-4 years to complete and a double degree takes 4-5.5 years. Many students say it’s the best time of their lives.

Get to Class! Or Not

Uni is different to school. You’ll have different options for when and how you study. Attendance isn’t usually compulsory but you’ll need to commit to your study if you want to do well.

You might choose an on-campus course or enjoy greater flexibility with an online or external course. For full-time study, you’ll generally enrol in three or four units each semester and spend around 10-12 hours per week each in online or on-campus classes and completing study and assessment. You might attend lectures (large classes with 250+ students) or tutorials, workshops, lab sessions or prakticals (smaller, interactive classes of 25 or so students)

Or you might study from the comfort of home with online lectures, discussions, workshops or simulations. You can expand your horizons with options to work on a project or undertake experience with one of our industry partners. Or head overseas for study, a tour or internship.

The university for the real world. Wait, what?

We’re all about preparing you for life after uni. And that means getting ready for the careers of today and the careers of the future. You’ll learn from teachers who are industry leaders, gain hands-on experience, connect with employers and experts in your field, and access career planning resources and support to develop your entrepreneurial skills.

QUT has two inner-city campuses—Gardens Point and Kelvin Grove—so you’ll be right in the middle of the action with easy access to public transport and student accommodation. Where you study will depend on the course you choose.

Take us for a test drive

To get a taste of what university is like and test drive some of your study areas, consider the START QUT program. It’s an opportunity to study one or two QUT units during Year 11 or Year 12. You’ll undertake classes and complete assessments alongside first-year students, and if you pass your START QUT subject you’ll get a selection rank adjustment to help you get into your chosen uni course.

Finding out into uni

Each university has different entry criteria so you’ll need to do some research. For QUT, your unit(s) will be allocated based on ATAR or selection rank. The tables on the following pages show the ATAR threshold from the Semester 1 2021 offer round. You can use this as a guide to the ATAR you might need, but remember that thresholds can change from year to year depending on the popularity of the course.

Some courses have additional entry requirements such as an audition, portfolio or written statement. If you don’t have an ATAR or IB Diploma, there are other admission pathways you can take after school to help you get into QUT.

Subjects for entry to QUT

QUT has an assumed knowledge scheme for most of our courses. This means we assume you have studied certain subjects at school but we don’t use them as entry criteria. It’s important to study the assumed knowledge subjects at school if you can or you may struggle with your uni studies.

Some courses have prerequisite subjects that you must satisfy to gain entry. If your study plans change after you select your subjects for senior, it’s reassuring to know that you may be able to pick up the knowledge through a bridging course.

Crunch time: how to choose subjects for Years 11 and 12

Choosing subjects is an important decision, but don’t panic. Your subject choices are just a first step and you won’t be locked into one career path for life. Here are our best tips:

• Try out some different subjects in Years 8, 9 and 10 so you can see what you like.
• Find out what subjects are available at your school in Years 11 and 12 and what the teachers and parents/guardians say.
• Organise your own timetable for study, work and fun.
• TESO clubs to join, as well as festivals, sport and campus events.
• Access on-campus shops, gyms, sport facilities, cafes, food courts, swimming pools and eSports arenas.
• Develop leadership and professional skills through workshops, volunteering and campus projects.

What’s different about uni?

• Study what YOU want and meet friends with the same interests.
• Be more responsible for your own study options.
• Organise your own timetable for study, work and fun.
• TESO clubs to join, as well as festivals, sport and campus events.
• Access on-campus shops, gyms, sport facilities, cafes, food courts, swimming pools and eSports arenas.
• Develop leadership and professional skills through workshops, volunteering and campus projects.

• To find out more about university and careers before you make subject choices, check out open days or career expos—either in person or online. Get your questions answered before you need to select your subjects.
• If you are planning to go to uni, make sure you choose the right combination of general, applied or vocational education and training (VET) subjects to receive an ATAR.
• Certain subjects can give you a boost for entry to uni courses with a selection rank adjustment. QUT’s Year 12 subject scheme allows a selection rank adjustment for Specialist Mathematics, Physics, Languages other than English, Environmental and Aerospace Systems, or studying a university subject like START QUT while at school.
• Worried you’ll make a mistake? It’s OK. Talk to your school right away to see if you can make a change. If not, and you need a particular subject for uni entry, look into options such as bridging courses to help you pick up the knowledge you need.
• If you need more advice, talk to your guidance officer, careers adviser, teachers or parents/guardians.

Match My Skills quiz

We’ve taken the stress out of finding a course that suits you. Enter the Match My Skills Quiz! Answer some questions about your strengths, interests and what you are keen on. We’ll deliver a personalised list of careers and courses that are perfect for you, plus a few ideas on future proofing your career.

Take the quiz and find the course for you.

qut.edu.au/match-my-skills

A day in the life of Lily Kenway

Architecture and civil engineering student

7am Wake up, pack my bag and have breakfast (coffee included of course)

8am Walk to the ferry terminal from my residential college in St Lucia. I moved in here when I relocated to Brisbane for uni. A short ferry ride along the Brisbane River takes me right to QUT’s Gardens Point campus.

9am A two-hour engineering tutorial focuses on applying theory and squaring from the weekly lecture to example problems. This helps me understand how I will use this knowledge in my day-to-day job as a structural engineer.

11am I take a lunch break and meet friends at one of the many cafes on campus. Sometimes I bring my own sandwich to save money.

12pm Time for my two-hour architecture studio. We work on our projects and get feedback from fellow students and our tutor. As a double degree student, I really enjoy splitting my time between the two subjects and how they keep me engaged in different types of thinking and developing new skills.

2pm My classes for the day are done. I try to schedule most of my classes in the morning to keep the afternoon flexible. Most days I spend another hour in the QUT library either volunteering as a student learning facilitator to help other students, or meeting friends to study. The library is a great place for studying with others—you can motivate each other to get your work done but also access lots of support services.

4pm I arrive home and tutor some other students. Having moved to Brisbane from the Gold Coast, this part-time job is easy to manage with my studies and helps fund my new lifestyle.

6pm Eat dinner and change into some comfy sweatsuits for the evening!

7pm I tend to do my architectural readings in the evening, relaxing with a cup of tea and getting inspiration. I also use this time to watch an online lecture recording if I missed it or want to look over some content.

8pm I practise my architectural sketching, applying the theory I have just reviewed to my current projects. I find some of the best ideas come to me at night!

9pm After depleting my creativity and the tea in my cup I watch some YouTube or Netflix before getting a good sleep ready for the next day.

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Business

If you like these subjects you might like studying business: accounting, business, economics, English, film, television and new media, geography, languages, maths

Careers: accountant, advertising strategist, business analyst, copywriter, digital strategist, economist, entrepreneur, financial analyst, financial planner, human resources officer, international management consultant, IT executive, investment manager, marketing consultant, media adviser, product manager, property developer, publicist, publisher, recruitment consultant, stockbroker, supply chain consultant.

<table>
<thead>
<tr>
<th>Bachelor degree</th>
<th>2021 JUACD/ QUCAT rank</th>
<th>Study mode</th>
<th>Duration (years)</th>
<th>Assumed knowledge</th>
<th>Double degree option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business</td>
<td></td>
<td>GP/QL</td>
<td>3F/6P</td>
<td>English, Maths</td>
<td></td>
</tr>
<tr>
<td>Accountancy</td>
<td>76.00</td>
<td>GP/QL</td>
<td>3F/6P</td>
<td>English, Maths</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>76.00</td>
<td>GP/QL</td>
<td>3F/6P</td>
<td>English, Maths</td>
<td></td>
</tr>
<tr>
<td>Finance</td>
<td>76.00</td>
<td>GP/QL</td>
<td>3F/6P</td>
<td>English, Maths</td>
<td></td>
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<tr>
<td>Financial planning</td>
<td>76.00</td>
<td>GP/QL</td>
<td>3F/6P</td>
<td>English, Maths</td>
<td></td>
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<tr>
<td>Human resource management</td>
<td>76.00</td>
<td>GP/QL</td>
<td>3F/6P</td>
<td>English</td>
<td></td>
</tr>
<tr>
<td>International business</td>
<td>76.00</td>
<td>GP/QL</td>
<td>3F/6P</td>
<td>English</td>
<td></td>
</tr>
<tr>
<td>Management</td>
<td>76.00</td>
<td>GP/QL</td>
<td>3F/6P</td>
<td>English, Maths</td>
<td></td>
</tr>
<tr>
<td>Marketing</td>
<td>76.00</td>
<td>GP/QL</td>
<td>3F/6P</td>
<td>English, Maths</td>
<td></td>
</tr>
<tr>
<td>Public relations</td>
<td>76.00</td>
<td>GP/QL</td>
<td>3F/6P</td>
<td>English, Maths</td>
<td></td>
</tr>
<tr>
<td>Business (Dean’s Scholars)—including all study areas listed above</td>
<td>97.00</td>
<td>GP/QL</td>
<td>3F + 1F Bachelor year offered at GP only</td>
<td>English, and for accounting, economics, finance, financial planning and marketing majors, Maths</td>
<td></td>
</tr>
<tr>
<td>Business with international study year—including all study areas listed above</td>
<td>91.00</td>
<td>GP/QL</td>
<td>4F/8F</td>
<td>English, and for accounting, economics, finance, financial planning and marketing majors, Maths</td>
<td></td>
</tr>
<tr>
<td>Property economics</td>
<td>70.00</td>
<td>GP/QL</td>
<td>3F</td>
<td>English, Maths</td>
<td></td>
</tr>
<tr>
<td>Diploma in Business</td>
<td>60.00</td>
<td>XG</td>
<td>8 months F 1–2P</td>
<td>English</td>
<td></td>
</tr>
</tbody>
</table>

For footnotes and information about this table see page 12.

Accountancy A great platform for many careers in business including business analyst, certified practising accountant, chartered accountant, chief financial officer, forensic accountant or financial project manager.

Advertising Study advertising account management, planning, media, and creative and digital advertising for roles such as advertising account executive, copywriter, digital strategist, media buyer or planner.

Economics Learn how to manage issues such as unemployment, interest rates, inflation, competition, business strategy, sustainable use of resources and the impact of government decisions.

Human resource management Study recruitment, selection, training and development, performance and compensation management for roles such as human resource partner or manager, recruitment consultant, workforce planner or training and development adviser.

International business Learn about global regulations, management of cultural differences, buying preferences, global transport options and ethical behaviours. You may work in Australia or overseas in the fields of customs and freight forwarding, international banking and finance, supply chain management or international business.

Management Develop skills in entrepreneurial thinking and strategic decision making, as well as managing teams, risk, projects and operations in changing environments. Establish your own entrepreneurial startup venture or work as a business development manager, business owner/manager or management consultant.

Marketing Learn about the marketing mix, consumer behaviour, e-marketing and using market research to work in roles such as business development manager, business owner/manager or marketing manager.

Public relations Learn skills to promote a new movie, launch a social media campaign, improve relationships with customers or develop a government safety campaign. You may work as a community relations officer, publicist, media adviser, press secretary or public relations consultant/manager.

Business—International This course combines the three-year Bachelor of Business with one year of international studies. Choose your main area of study from those listed and you will also spend a year overseas with one of our partner institutions.

Bachelor of Commerce This course combines the three-year Bachelor of Business with a first year of commerce. This provides you with skills in business, economics, finance, accounting and legal studies. You will also spend a year overseas as part of the international pathway.

Business (Dean’s Scholars) Study the three-year Bachelor of Business followed by an honours year. An honours degree signals to employers that you are someone with exceptional ability, motivation and commitment to your field. Dean’s Scholars students are awarded a $20,000 scholarship.

Property economics Work as a property valuer, investment analyst, development manager, or in real estate.

Diploma in Business This course is a pathway into the second year of our business degree. Develop academic skills to become more confident with your university studies, all while enjoying a complete university experience with QUT College. Graduates are guaranteed entry into the Bachelor of Business.

Scott Salvati

Business student

When Scott was in Year 11 he had no idea what to study but the Match My Skills quiz and a trip to QUT Open Day set him on the path to business. To help choose between accounting and economics and give him confidence in the university environment Scott took part in START QUT. He’s now studying at Gardens Point campus and has completed a work placement that counts towards his degree.

Learn about the marketing mix, consumer behaviour, e-marketing and using market research to work in roles such as business development manager, business owner/manager or marketing manager.

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Creative industries

If you like these subjects you might like studying creative industries: business, dance, drama, English, design, film, television and new media, geography, graphics, information technology, music, physics, technology studies, visual arts.

**Careers:** actor, animator, cinematographer, creative advertising executive, dancer, editor, entertainment producer, fashion designer, multimedia designer, stage manager, teacher, visual artist.

**Bachelor of Creative Industries** Keep your options open or focus on more than one creative area with the Bachelor of Creative Industries. You can choose multiple study areas to suit your interests and career aspirations.

**Communication**
Advertising and public relations
Combine studies in these two complementary areas for careers such as public relations specialist, media planner, advertising copywriter or corporate communications consultant.

**Advertising and public relations**

<table>
<thead>
<tr>
<th>Study mode</th>
<th>Duration (Years)</th>
<th>Double degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>KG/OL</td>
<td>3F</td>
<td>English</td>
</tr>
</tbody>
</table>

**Design**

<table>
<thead>
<tr>
<th>Study mode</th>
<th>Duration (Years)</th>
<th>Double degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>KG/OL</td>
<td>3F</td>
<td>English</td>
</tr>
</tbody>
</table>

**Fine arts**

<table>
<thead>
<tr>
<th>Study mode</th>
<th>Duration (Years)</th>
<th>Double degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>KG</td>
<td>3F</td>
<td>English</td>
</tr>
</tbody>
</table>

**Journalism**

In this course you will write, present and produce news for online, print, radio and television—preparing you for a journalism career, or roles in public relations or media.

**Professional communication**

Develop skills in high-level, professional writing, strategic speech writing and persuasive writing to work in corporate, government or freelance roles such as professional writer or editor, reviewer or publisher.

**Fine arts**

- Acting
- Animation
- Creative writing
- Dance
- Drama
- Film, screen and new media
- Music
- Technical production
- Visual arts

**Design**

- Fashion
- Industrial design
- Interaction design
- Visual communication
- Design with international study year—combining all study areas listed above

For footnotes and information about this table see page 12.

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**Bachelor of Creative Industries**

Bachelor of Creative Industries 70.00 KG/OL 3F English ♦

Communication

<table>
<thead>
<tr>
<th>Study mode</th>
<th>Duration (Years)</th>
<th>Double degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>KG/OL</td>
<td>3F</td>
<td>English</td>
</tr>
</tbody>
</table>

**Professional communication**

Develop skills in high-level, professional writing, strategic speech writing and persuasive writing to work in corporate, government or freelance roles such as professional writer or editor, reviewer or publisher.

**Fine arts**

- Acting
- Animation
- Creative writing
- Dance
- Drama
- Film, screen and new media
- Music
- Technical production
- Visual arts

**Design**

- Fashion
- Industrial design
- Interaction design
- Visual communication
- Design with international study year—combining all study areas listed above

For footnotes and information about this table see page 12.

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**Technical production**

Work as a stage manager, lighting and sound designer, technical director, or in the areas of props, costumes and stage mechanics.

**Visual arts**

Practice art in the areas of video, photography, installation, performance, printmaking, drawing, sculpture and painting. Graduates work as successful artists, and as curators or arts managers in galleries and museums.

**Design**

Fashion Be prepared to work in Australia and overseas as an independent designer or with larger fashion houses.

Industrial design

Draw on technology, design and user knowledge to design hot new consumer devices, more efficient work products, medical equipment and more.

Interaction design

Design for technology such as web and mobile apps, wearable fashion or health technology, user experience, smart home and virtual reality environments, robotics and more.

**Jedd Boyan**

Communication student

Jedd has changed his mind about his career many times so he chose a flexible degree to satisfy his interests. His major in advertising and public relations taps into his creative side, and he also studies subjects ranging from business to politics. He has developed content and a social media strategy for a Brisbane business, and completed two radio media internships. Jedd's tip? “It’s likely we will have many different careers so rather than thinking ‘What am I going to do for the rest of my life?’, focus on ‘What am I going to do first?’.”

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**Bachelor of Creative Industries**

Keep your options open or focus on more than one creative area with the Bachelor of Creative Industries. You can choose multiple study areas to suit your interests and career aspirations.

**Communication**

Advertising and public relations

Combine studies in these two complementary areas for careers such as public relations specialist, media planner, advertising copywriter or corporate communications consultant.

**Advertising and public relations**

Combine communication studies with digital innovation. Careers exist in marketing and communications, public relations, media, corporate communications, advertising, or digital strategy and content.

**Entertainment industries**

Work as a producer, promoter or agent of entertainment such as radio, large-scale performances, theme parks, sport, film and television, and cultural and gaming production.

**Digital media**

Combine communication studies with digital innovation. Careers exist in marketing and communications, public relations, media, corporate communications, advertising, or digital strategy and content.

**Entertainment industries**

Work as a producer, promoter or agent of entertainment such as radio, large-scale performances, theme parks, sport, film and television, and cultural and gaming production.

**Visual communication**

Gain skills for careers in traditional and new interactive media in graphic design, digital media, interactive design, art direction, branding, motion graphics design, advertising, illustration, service and experience design, packaging, and exhibition design.

**Design—International**

This course combines the three-year design degree in one of the study areas listed with one year of international studies.
### Education

**Courses**

<table>
<thead>
<tr>
<th>Bachelor of Education</th>
<th>2021 ATAR/ selection rank</th>
<th>Study mode</th>
<th>Duration (years)</th>
<th>Entry requirements</th>
<th>Double degree option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early childhood</td>
<td>70 00</td>
<td>KG/OL</td>
<td>4F/8P</td>
<td>Prerequisites: English, Maths and at least one science</td>
<td>GP, 3F/6P</td>
</tr>
<tr>
<td>Primary</td>
<td>70 00</td>
<td>KG/OL</td>
<td>4F/8P</td>
<td>Prerequisites: English, Maths and at least one science</td>
<td>GP, 3F/6P</td>
</tr>
<tr>
<td>Secondary</td>
<td>70 00</td>
<td>KG</td>
<td>4F/8P</td>
<td>Prerequisites: English, Maths</td>
<td>GP, KG, 4F</td>
</tr>
</tbody>
</table>

For footnotes and information about this table see page 12.

**Early childhood** Work as a teacher in early childhood education and care, kindergarten and Prep to Year 3.

**Primary** Teach in schools across Prep to Year 6.

**Secondary** Teach Years 7 to 12 in secondary schools and be a qualified specialist in your two chosen teaching areas. Teaching areas include biology, chemistry, earth and environmental science, English, geography, health and physical education, history, mathematics and physics.

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### Engineering

**Bachelor of Engineering**

<table>
<thead>
<tr>
<th>Bachelor of Engineering</th>
<th>2021 ATAR/ selection rank</th>
<th>Study mode</th>
<th>Duration (years)</th>
<th>Entry requirements</th>
<th>Double degree option</th>
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</thead>
<tbody>
<tr>
<td>Design</td>
<td>80 00</td>
<td>GP</td>
<td>3F/6P</td>
<td>English</td>
<td>•</td>
</tr>
<tr>
<td>Interior architecture</td>
<td>70 00</td>
<td>GP</td>
<td>3F/6P</td>
<td>English</td>
<td>•</td>
</tr>
<tr>
<td>Landscape architecture</td>
<td>70 00</td>
<td>GP</td>
<td>3F/6P</td>
<td>English</td>
<td>•</td>
</tr>
<tr>
<td>Design with international study year— including all study areas listed above</td>
<td>91 00</td>
<td>GP/KG</td>
<td>4F</td>
<td>English, Maths</td>
<td>•</td>
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</table>

**Chemical process**

<table>
<thead>
<tr>
<th>Chemical process</th>
<th>75 00</th>
<th>GP</th>
<th>4F</th>
<th>English, English, Methods or Specialist Maths</th>
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<tbody>
<tr>
<td>Civil</td>
<td>75 00</td>
<td>GP</td>
<td>4F</td>
<td>English, English, Methods or Specialist Maths</td>
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<tr>
<td>Computer and software systems</td>
<td>75 00</td>
<td>GP</td>
<td>4F</td>
<td>English, English, Methods or Specialist Maths</td>
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<tr>
<td>Electrical</td>
<td>75 00</td>
<td>GP</td>
<td>4F</td>
<td>English, English, Methods or Specialist Maths</td>
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<tr>
<td>Electrical and aerospace</td>
<td>75 00</td>
<td>GP</td>
<td>4F</td>
<td>English, English, Methods or Specialist Maths</td>
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<tr>
<td>Mechanical</td>
<td>75 00</td>
<td>GP</td>
<td>4F</td>
<td>English, English, Methods or Specialist Maths</td>
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<tr>
<td>Mechatronics</td>
<td>75 00</td>
<td>GP</td>
<td>4F</td>
<td>English, English, Methods or Specialist Maths</td>
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</tr>
<tr>
<td>Medical</td>
<td>75 00</td>
<td>GP</td>
<td>4F</td>
<td>English, English, Methods or Specialist Maths</td>
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<tr>
<td>Diploma in Engineering</td>
<td>60 00</td>
<td>KG</td>
<td>8 months</td>
<td>English, English, Methods</td>
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**Urban development (honours)**

<table>
<thead>
<tr>
<th>Urban development (honours)</th>
<th>2021 ATAR/ selection rank</th>
<th>Study mode</th>
<th>Duration (years)</th>
<th>Entry requirements</th>
<th>Double degree option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction management</td>
<td>70 00</td>
<td>GP</td>
<td>4F/8P</td>
<td>English</td>
<td>•</td>
</tr>
<tr>
<td>Quantity surveying and cost engineering</td>
<td>70 00</td>
<td>GP</td>
<td>4F/8P</td>
<td>English</td>
<td>•</td>
</tr>
<tr>
<td>Urban and regional planning</td>
<td>70 00</td>
<td>GP</td>
<td>4F/8P</td>
<td>English</td>
<td>•</td>
</tr>
</tbody>
</table>

For footnotes and information about this page see page 12.

**Design**

**Architecture** Plan and design buildings with a focus on creating sustainable, healthier and more usable environments.

**Interior architecture** Consider the purpose, efficiency, comfort, safety and aesthetics of interior spaces designing for large-scale projects or retail, gallery or museum settings.

**Landscape architecture** Design and plan projects including parks, botanic gardens, sporting complexes, and educational, commercial or residential sites.

**Design—International** This course combines the three-year design degree in one of the study areas listed with one year of international studies.

**Engineering**

**Chemical process** Design, develop and optimise industrial processes to make products such as the oil, gas, minerals, plastics, food and beverages, paper and chemicals on which modern society depends.

**Civil** Plan, design, construct, operate and maintain structures and facilities ranging from skyscrapers, roads and factories to railways and harbours.

**Computer and software systems** Create and modify software such as operating systems, applications software and communications software, as well as software for mobile phones, GPS, satellites and aircraft flight systems.

**Electrical** Design, research, develop, plan, manufacture and manage electrical systems and devices—ranging from heavy power generators to tiny computer chips.

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### Chenoa Masters

**Education graduate and high school teacher**

Chenoa always knew she wanted to be a teacher. As an Aboriginal woman from the Wailka Wailka and the Kalkadoon people, Chenoa shares her culture with future generations so they can pass on the knowledge. She felt completely prepared for her career through the practical experiences she had as a QUT student, engaging in practical placements in schools with a mentor teacher who was able to link everything back to what she had learned.

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**Electrical and aerospace** Design, develop and maintain the electronic systems of military and civilian aeroplanes, helicopters, spacecraft, satellites and uninhabited aerial vehicles (UAVs).

**Mechanical** Design and maintain machinery with electronic and computer control systems such as aircraft and power generators for use in the fields of automated systems and robotics.

**Medical** Design, manufacture and maintain medical equipment such as CT scanners or kidney dialysis machines to improve healthcare and medical services.

**Diploma in Engineering** This course is a pathway into the second year of our engineering degree. Develop academic skills to become more confident with your university studies, all while enjoying a complete university experience at QUT College. Graduates are guaranteed entry into the Bachelor of Engineering (Honours).

**Urban development (honours)**

**Construction management** Coordinate large building projects such as apartments, hotels, factories, office blocks, schools and hospitals.

**Quantity surveying and cost engineering** Provide advice to the construction industry on the financial and legal aspects of new constructions and the operation of existing buildings.

**Urban and regional planning** Plan large-scale projects such as new cities, suburbs, ports, recreational and industrial areas and transport routes using land and resources to meet the needs of communities.
Health

If you like these subjects you might like studying health: biology, chemistry, food and nutrition, health, maths, physical education, physics, psychology

CAREERS: biomedical scientist, counsellor, dietitian, exercise physiologist, exercise scientist, health information manager, health promotion officer, human services practitioner, medical scientist, nurse, nutritionist, optometrist, paramedic, pharmacist, policy development officer, podiatrist, psychologist, radiation therapist, radiographer, social worker, sports scientist, youth worker

<table>
<thead>
<tr>
<th>Bachelor degree</th>
<th>2021/22 Tuition fee</th>
<th>Study mode</th>
<th>Duration (Years)</th>
<th>Assumed knowledge</th>
<th>Double degree opportunities</th>
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</thead>
<tbody>
<tr>
<td>Behavioural science (psychology)</td>
<td>$9300</td>
<td>3F</td>
<td>English</td>
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<tr>
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<td>GP</td>
<td>English, Math, Methodol., Chemistry, Biology</td>
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<td>Clinical exercise physiology</td>
<td>$7200</td>
<td>GP</td>
<td>English, Math, Methodol., and at least one of Chemistry, Physics, Biology</td>
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<tr>
<td>Health information management</td>
<td>$7200</td>
<td>3F</td>
<td>English</td>
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<tr>
<td>Human services</td>
<td>$7200</td>
<td>GP</td>
<td>English</td>
<td>+</td>
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<tr>
<td>Medical imaging (honours)</td>
<td>$9995</td>
<td>GP</td>
<td>English, Math, Methodol., Physics</td>
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<td>English, Math, Methodol., Chemistry</td>
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<tr>
<td>Nutrition</td>
<td>$8700</td>
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<td>English</td>
<td>+</td>
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<tr>
<td>Nutrition and dietetics (honours)</td>
<td>$9600</td>
<td>GP</td>
<td>English, Math, Methodol., Chemistry</td>
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<tr>
<td>Nutrition science</td>
<td>$7200</td>
<td>GP</td>
<td>English, Math, Methodol., Chemistry</td>
<td>+</td>
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<tr>
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<td>GP</td>
<td>English</td>
<td>+</td>
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<tr>
<td>Pharmacy (honours)</td>
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<td>English, Math, Methodol., Chemistry</td>
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<tr>
<td>Podiatry</td>
<td>$8200</td>
<td>GP</td>
<td>English, Math, Methodol., Chemistry</td>
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<tr>
<td>Public health</td>
<td>$7200</td>
<td>GP</td>
<td>English</td>
<td>+</td>
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<tr>
<td>Radiation therapy</td>
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<td>GP</td>
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<tr>
<td>Social work</td>
<td>$7200</td>
<td>GP</td>
<td>English</td>
<td>+</td>
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<tr>
<td>Sport and exercise science</td>
<td>$7000</td>
<td>GP</td>
<td>English, Math, Methodol., and at least one of Chemistry, Physics, Biology</td>
<td>+</td>
<td></td>
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<tr>
<td>Vision science with Master of Optometry</td>
<td>$9000</td>
<td>GP</td>
<td>English, Chemistry, Math Methodol., Physics</td>
<td>+</td>
<td></td>
</tr>
</tbody>
</table>

For footnotes and information about this table see page 12.

Biomedical science

Psychologists use knowledge of human behaviour to treat individuals with mental disorders, relationship problems, learning difficulties, addiction and eating disorders. This course is the first step towards becoming a registered psychologist and is an excellent foundation for careers in other areas such as human resources, market research and organisational development.

Biomedical science

Study normal body function, investigate disease and injury, and develop new strategies for the prevention and treatment of diseases. You can work in universities, research institutes, hospitals and biotechnology companies.

Clinical exercise physiology

Work in hospitals and clinics developing rehabilitation programs for patients with injuries or chronic diseases such as diabetes and cardiovascular disease.

Nutrition science

Focus on issues that affect the whole population and apply expert knowledge to a range of nutrition services. Be employed in a number of industries to analyse food supply, government policy and eating behaviours, and develop new ways to promote healthy lifestyle choices and prevent diet-related disease within communities.

Paramedic science

Provide rapid, emergency medical response and specialised transportation to the community. In this course you will complete extensive placements with the Queensland Ambulance Service, as well as scenario-based training alongside other emergency service providers to help you develop leadership skills and learn how to manage critical situations under pressure.

Pharmacy

Study how drugs interact with the human body and how they can be used safely for therapeutic purposes. Pharmacists work in community pharmacies, hospitals, regulatory roles or research.

Podiatry

Analyse walking and running motion, correct foot and lower limb problems, design orthotic devices, or assist with rehabilitation of sports injuries. Graduates work inathletes and sporting teams, and in community roles.

Vision science (optometry)

Provide preventative care and treatments for eye disease and vision problems. You will examine, diagnose and treat real patients at QUT Optometry Clinic using state-of-the-art ophthalmic instruments. This course includes a three-year Bachelor of Vision Science followed by a two-year Master of Optometry.

Dorcas Tuyishimere

Nursing and psychology student

With a career goal of working as a psychiatric nurse, Dorcas chose a double degree in psychology and nursing. This combination will give her in-depth knowledge of mental health disorders so she can develop treatment plans for her patients. Dorcas recommends talking with your school career counsellor and attending career events to find out about courses, and also looking into HECS-HELP and scholarships if you are worried about affording university.

Sport and exercise science

Design and implement exercise and physical activity programs to improve health and fitness, analyse performance or prevent injury. Graduates work with athletes and sporting teams, and in community roles.

Vision science (optometry)

Provide preventative care and treatments for eye disease and vision problems. You will examine, diagnose and treat real patients at QUT Optometry Clinic using state-of-the-art ophthalmic instruments. This course includes a three-year Bachelor of Vision Science followed by a two-year Master of Optometry.
If you like these subjects you might like studying justice: accounting, business, economics, English, film, television and new media, history, languages, legal studies

Careers: aid work manager, community corrections officer, community worker, corrective services officer, criminologist, customs officer, diplomat, disability services worker, family services officer, health policy officer, police officer, policy adviser/analyst/office, youth worker

Justice Learn about crime, social justice, human rights and equality to understand the way in which society defines, polices, and punishes criminal behaviours. Career options include policing, customs, child and family services, corrective services, intelligence, insurance and banking investigation, community legal services, and government policy or adviser roles.

Bachelor degree

<table>
<thead>
<tr>
<th></th>
<th>2021 ATAR/</th>
<th>Study mode</th>
<th>Duration (year/s)</th>
<th>Assumed knowledge</th>
<th>Double degree option</th>
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<tbody>
<tr>
<td>Justice</td>
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<td>3F/6P</td>
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<td>Policy and politics</td>
<td>70.00</td>
<td>GP/EX</td>
<td>3F/6P</td>
<td>English</td>
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</tbody>
</table>

For footnotes and information about this table see below.

Christjan Corias
Justice and law graduate

After starting a justice degree as an upgrading pathway to law, Christjan found he enjoyed justice and the careers it offered so much that he chose to combine it with law as a double degree. Throughout his course Christjan was involved in many different experiences to prepare him for his career, including a semester-long work placement with Cherbourg Aboriginal Shire Council, an overseas exchange in Hong Kong and a research project.

Camille Etchegary
Law and science student

After talking with students at QUT Open Day, Camille was reassured that uni wasn’t going to be as hard as she thought. She also loved hearing that uni was more than just learning. As well as lectures, lab sessions, site visits and practising her skills in the moot court, Camille is part of the QUT Women in Law Society, QUT Guild and the QUT Entrepreneurship Advisory Board, and plays social volleyball and netball. Her advice? ‘University is a place that can give you the tools, connections and experience to succeed and it’s so much better when you engage with everything on offer.’

Footnotes

The ATAR/selection rank shown is the lowest to receive an offer in the Semester 1 2021 offer round inclusive of adjustments. Adjustment schemes may not apply to all courses.

For more information visit qut.edu.au/assumed-knowledge

For assumed knowledge/prerequisite subjects
- a grade of C or higher in Units 3 & 4 is specified
- English = one of English, Literature, English and Literature, English as an Additional Language
- Maths = one of General Maths, Math Methods, Specialist Maths
- Science = one of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Marine Science, Physics, Psychology

For more information visit qut.edu.au/prerequisites

This course has additional entry requirements. See the course information online.

For more information about prerequisites visit qut.edu.au/prerequisites

This course will be offered from 2022 subject to final university approval.

Specialist Maths will also meet the assumed knowledge.

Campuses: GP = Gardens Point, KG = Kelvin Grove, EX = external, OL = online

Duration: F = full time, P = part time.
Science

If you like these subjects you might like studying science, IT, games and interactive environments or maths: biology; chemistry; digital solutions; geography; information technology; maths; physics.

Careers: biochemist; conservation officer; data analyst; environmental scientist; geologist; games developer; information systems officer; industrial chemist; nanotechnologist; physicist; science communicator; security analyst; statistician.

Bachelor degree 2021 ATAR/ Admission
Games and interactive environments

Animation 70.00 GP 3F English, Maths •
Games design 70.00 GP 3F English, Maths •
Software technologies 70.00 GP 3F •

Information technology

Computer science Information systems 70.00 GP/OL 3F/6P English, Maths •
Diploma of E-Sports • New KG 8 months F 1-2P English

Mathematics

Applied and computational mathematics 87.00 GP 3F/6P English, Math Methods or Specialist Maths •
Operations research 87.00 GP 3F/6P •
Statistics 87.00 GP 3F/6P •
Data science 87.00 GP/OL 3F/6P English, Math Methods or Specialist Maths •

Science

Biological sciences 70.00 GP 3F/6P English, Math Methods or Specialist Maths •
Chemistry 70.00 GP 3F/6P •
Earth science 70.00 GP 3F/6P •
Environmental science 70.00 GP 3F/6P •
Physics 70.00 GP 3F/6P •

Science advanced (honours)—including all five science study areas listed above 90.00 GP 4F Prerequisites: Relevant science subject (C & I or IB), English and Math Methods. Assumed knowledge: Specialist Maths and another relevant science. For details check online course information at qut.edu.au/study.

For footnotes and information about this table see page 10.

Games and interactive environments

Animation Develop animation skills including motion graphics, 3D modelling and animation, real-time 3D and character animation, as well as knowledge of the core principles, concepts and history of animation. Careers include animator, game developer, computer-aided designer, digital content producer, web or multimedia designer.

Software technologies Learn the technological aspects of game development, graphics programming, games engine technology and development of artificial intelligence for games for careers such as animator, computer game programmer, game developer, software engineer.

Game design Gain hands-on game design experience as well as knowledge of narrative and immersion, and theories of design to provide the skills necessary to create interesting and unique game worlds. Careers include animator, computer-aided designer, digital content designer.

Information technology

Computer science Use hardware and software to design and build systems to solve complex problems. You will learn programming and software design, networking technologies and the architecture of different hardware systems.

Information systems Work with people to identify their needs and design solutions to meet them. You may design, develop and implement large database applications, or be involved with the purchase and implementation of packaged software.

Mathematics

Applied and computational mathematics Use mathematical modelling to distil complex real-world problems into abstract mathematical frameworks and apply them to scenarios in the fields of physical and chemical sciences, biology, engineering and social sciences.

Statistics Work on problems involving data analysis and interrogation of data from a range of sources as well as designing and implementing statistical models to distil complex real-world problems into abstract mathematical frameworks and apply them to scenarios in the fields of physical and chemical sciences, biology, engineering and social sciences.

Science

Biological sciences Analyse the major principles of life science, and apply them to scienctific research. Careers include statistician, information systems officer, industrial chemist, nanotechnologist, physicist, science communicator, security analyst, statistician.

Chemistry Careers exist in most areas of science, technology, environment and industry including medical drugs, nanotechnology, water and air quality, and energy production. You may be employed as a lab supervisor, as an industrial, environmental or food chemist, or in policing and forensics labs.

Earth science Study geology (the rocky parts of the Earth’s crust), physical geography (the Earth’s surface), and oceanography and hydrology (the marine and freshwater parts of the Earth). Earth scientists are in high demand in oil, coal, gas and geothermal industries, mining and exploration, and environmental consulting organisations.

Environmental science Tackle problems such as local water quality and ecosystem impacts, soil erosion and adaptation to global climate change. Consult on the environmental impact of mining, tourism and urban development, and the rehabilitation and reforestation of degraded sites.

Physics Learn about the laws, processes and properties of matter, energy, space and time. Specialise in mechanics, electromagnetism, laser and optics, medical physics, computational physics, nuclear and radiation physics, astronomy and astrophysics, thermodynamics, quantum mechanics and relativity.

Science advanced (honours) This course is designed for high-achieving students, with a passion for scientific enquiry. You’ll be immersed in real-world research from your first year with leading QUT researchers and projects.

Nikola Poli

Maths graduate and researcher

Nikola loved maths and knew she wanted to study at university. When she attended a QUT STEM camp and found out about the maths degree and the opportunities available—as well as QUT’s friendly atmosphere and amazing campuses—moving from North Queensland to Brisbane for study was a no-brainer. Nikola has now graduated and is applying her statistics and data analytics skills to areas of health, robotics and the environment in her role as a researcher.
Still have questions?

Chat to our advisers
Our team of friendly advisers is ready to help you. Talk to us via phone, online chat, book an appointment or visit us in person.
qut.edu.au/need-advice

Stay in touch to win!
Go into the draw to win an iPhone 12 Pro. Sign up to get personalised emails about events and studying at QUT.

QUT acknowledges the Turrbal and Yugara, as the First Nations owners of the lands where QUT now stands. We pay respect to their Elders, lores, customs and creation spirits. We recognise that these lands have always been places of teaching, research and learning. QUT acknowledges the important role Aboriginal and Torres Strait Islander people play within the QUT community.

International students
This publication has been prepared for Australian students and those with permanent resident status, and is not suitable for international students. For information for international students, visit qut.edu.au/international
CRICOS No. 00213J

Information in this publication was correct at the time of publishing. The university reserves the right to amend any information and to cancel, change or relocate any course. For the latest information visit qut.edu.au/study

QUT is committed to sustainability. The paper used in A Quick Guide to QUT 2021 has the credentials: