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 to uni. We have students from many backgrounds—some who have had to relocate to attend uni, some needing financial assistance, as well as 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.

Your future is in your hands

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. In many courses you can also take some units from other areas that interest you. So if you are studying science, you might also add some language units (subjects) within the same 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 17 jobs and five 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. And 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 balance your time if you want to do well.

Classes can be on campus or online. For full-time study, you’ll generally enrol in three or four units each semester, and spend around 10–12 hours per unit each week in classes or completing online activities, extra study and assessment. You might attend lectures (large classes with 100+ students) or tutorials, workshops, lab sessions or practicals (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?

At QUT, we’re all about preparing you for life after uni. And that means getting you ready for the careers of today and careers that have yet to be created. You’ll learn from teachers who are industry leaders, gain hands-on experience, connect with employers and experts in your field, and have access to career planning resources and support to grow your own startup business.

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

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 go to on-campus classes, complete assessments alongside first-year students, and if you pass your START QUT subject, you’ll get a selection rank adjustment that can help you get into your chosen uni course. Find out more at qut.edu.au/startqut

Getting into uni

Each university has different entry criteria so you’ll need to do some research. For QUT, you’ll need either an ATAR or a completed International Baccalaureate (IB) Diploma to gain entry directly after school.

For most courses at QUT, places are allocated based on your ATAR or selection rank. The course information on the following pages shows the selection rank threshold from the 15 January 2020 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 they are all about. Talk to your teachers and parents/guardians, or read the subject selection information from school.

• Choose subjects you like so you’ll be motivated to put in the time and effort to do well. Subjects you enjoy and are good at are more likely to connect to a career you’ll love. And you will find your senior years at school more enjoyable if you are interested in what you are studying.

• You don’t need to know exactly what career you want, but it’s a good idea to explore a few. The Match My Skills quiz can help. Once you have some jobs in mind, check what courses you need to study. If there are assumed knowledge or prerequisite subjects, include these in your subject selection.
A day in the life of Cain Varoy
Information technology and law student

7am Wake up, get ready for uni, have breakfast and a coffee!

8am Walk to the ferry terminal 300 metres from the apartment I share with another QUT student in Kangaroo Point. A short ferry ride along the river straight to Gardens Point campus is a great way to start the day.

9am A two-hour computer science tutorial where we complete programming exercises or continue our latest project with the assistance of a tutor and other students. It’s a very short and intensive class but I learn a lot in a small amount of time.

11am Another two-hour tutorial but this one is for law. As a double degree student, getting to switch between two different disciplines is always interesting and forces me to be flexible and curious. A typical law tutorial usually involves lots of class discussion about practical examples of the theory covered in lectures.

1pm I’m done with classes! I’ve scheduled all my classes in the mornings, so my afternoons are free. I usually catch up for coffee or lunch with friends either on campus or somewhere in the city, which is all within walking distance.

2pm I will typically fit in some study in the library. Working with friends is a great way to motivate yourself to do the work and get help at the same time.

3pm I work most afternoons, usually tutoring other students. As a regional student who moved from Townsville, it is definitely necessary (but also easy) for me to have a part-time job while studying. I can comfortably work 15 or so hours a week to support myself.

6pm I return home from work and relax for a while before preparing dinner.

8pm I love to do all my readings at night, so I find somewhere comfortable and delve deeper into some contract law. I might also watch a lecture recording. Having the freedom to watch lectures online allows me to go back over content I missed and watch at my own pace, though some prefer to engage in person.

9pm An hour and several cups of tea later, I’m ready to unwind with some Netflix before getting ready for bed.

Need help deciding?
We’ve taken the stress out of finding a course that suits you. Go online to Match My Skills. Answer some questions about your strengths, interests and what you are keen to learn. 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.
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, publicist, publisher, recruitment consultant, stockbroker, supply chain consultant

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, 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. Work in government, banking and investment, or other organisations in roles such as business analyst, consultant or economist.

Finance Focus on the borrowing, lending and investing of money by individuals, financial institutions, businesses and governments. Careers include financial analyst, commercial banker, investment manager and financial markets dealer.

Financial planning Help people and businesses to manage their financial affairs and meet their financial goals. Careers include financial planner, financial adviser, investment manager or superannuation adviser.

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, market researcher, marketing communications officer or product manager.

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

Public relations Learn skills to publicise 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.

Double degrees Business with animation, architecture, biomedical science, creative industries, creative writing, digital media, drama, engineering, entertainment industries, fashion, film, screen and new media, games and interactive environments, human services, industrial design, information technology, interaction design, interior architecture, journalism, justice, landscape architecture, law, mathematics, professional communication, property economics, psychology, science, secondary education, visual arts, visual communication. Property economics with architecture, business, interior architecture, law

Want an international flavour?
The Bachelor of Business—International 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Selection Rank</th>
<th>Campus</th>
<th>Duration (years)</th>
<th>Assumed knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accountancy</td>
<td>79.00</td>
<td>GP</td>
<td>3</td>
<td>English, Maths</td>
</tr>
<tr>
<td>Advertising</td>
<td>79.00</td>
<td>GP</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Economics</td>
<td>79.00</td>
<td>GP</td>
<td>3</td>
<td>English, Maths</td>
</tr>
<tr>
<td>Finance</td>
<td>79.00</td>
<td>GP</td>
<td>3</td>
<td>English, Maths</td>
</tr>
<tr>
<td>Financial planning</td>
<td>79.00</td>
<td>GP</td>
<td>3</td>
<td>English, Maths</td>
</tr>
<tr>
<td>Human resource management</td>
<td>79.00</td>
<td>GP</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>International business</td>
<td>79.00</td>
<td>GP</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Management</td>
<td>79.00</td>
<td>GP</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Marketing</td>
<td>79.00</td>
<td>GP</td>
<td>3</td>
<td>English, Maths</td>
</tr>
<tr>
<td>Property economics</td>
<td>70.00</td>
<td>GP</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Public relations</td>
<td>79.00</td>
<td>GP</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Business with international study year</td>
<td>87.00</td>
<td>GP</td>
<td>4</td>
<td>English, and for accountancy, finance, economics, financial planning and marketing, Maths</td>
</tr>
<tr>
<td>Dean’s honours program</td>
<td>97.00</td>
<td>GP</td>
<td>4</td>
<td>English, and for accountancy, finance, economics, financial planning and marketing, Maths</td>
</tr>
</tbody>
</table>

For all assumed knowledge or prerequisite subjects:
- a grade of C or higher in Units 3 & 4 is specified
- English = one of English, Literature, English and Literature Extension, 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
- economics, financial planning and marketing, Maths

The selection rank is a good indication of the equivalent ATAR. The selection rank shown is the lowest to receive an offer in the 15 January 2020 offer round inclusive of adjustments.

This course has additional entry requirements.
Campus: GP (Gardens Point), KG (Kelvin Grove), EX (external)
For more information see the online course information at qut.edu.au/study
Education

If you like these subjects you might like studying education: dance, drama, English, film, television and new media, geography, health, history, maths, music, physical education, psychology, sciences, visual art.

Careers: childcare leader, corporate training and development, early childhood teacher, education outreach, entertainment industry, government policy officer, kindergarten teacher, learning designer, prep teacher, primary teacher, secondary teacher.

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.

Double degrees Secondary education with business, creative writing, dance, drama, film, screen and new media, information technology, music, visual arts.

Double degree options with mathematics and science may also be available from 2021, subject to final university approval.

<table>
<thead>
<tr>
<th>Course</th>
<th>Selection rank</th>
<th>Campus</th>
<th>Duration (years)</th>
<th>Prerequisites</th>
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<td>Early childhood education</td>
<td>70.00</td>
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<td>English, Maths, and at least one Science</td>
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<td>Primary education</td>
<td>70.00</td>
<td>KG/EX</td>
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<td>English, Maths, and at least one Science</td>
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<tr>
<td>Secondary education</td>
<td>70.00</td>
<td>KG</td>
<td>4</td>
<td>English, Maths</td>
</tr>
</tbody>
</table>

A career I love

I always knew I wanted to be a teacher, and now that I’m a high school teacher I love that every day is different and that every student will teach you something new. I’m from the Wakka Wakka and the Kalkadoon people. Being the First Nation’s people, we have so much knowledge to share. QUT helped prepare me for my career as a teacher through real-world practical experiences and learning.

Chenoa Masters
Education graduate
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.

Double degrees Creative industries with business, human services, information technology, law.

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.

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.

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.

Double degrees Digital media with business, information technology, justice, law Entertainment industries with business, law Journalism with business, justice, law, science Professional communication with business, justice, nutrition science, public health, science.

Creative practice

Acting
Train to work as an actor in film, television and on stage both in Australia and internationally.

Animation
Develop skills for a career as an animator, visual effects artist or game designer for an animation or film studio, computer game company, or advertising or design agency.

Creative writing
Work on novels, short stories, creative non-fiction, youth writing, media writing and poetry, scriptwriting and editing.

Dance
Work as a dance teacher, choreographer, dance journalist, festival director, or in other dance-related careers.

Dance performance
Combine intensive training in dance with academic studies to pursue a career as a dancer.

Drama
Learn how to direct, produce, teach and perform drama for roles such as theatre and festival organiser, playwright, director, designer or performer.

Film, screen and new media
Develop skills in producing, writing, editing, sound, cinematography and directing for careers in the film, television and digital media areas.

Music
Focus on producing or performing music in state-of-the-art live and recording studio environments. Work as a performer, producer, composer or developer of music software and games.

<table>
<thead>
<tr>
<th>Course</th>
<th>Selection rank</th>
<th>Campus</th>
<th>Duration (Year)</th>
<th>Assumed knowledge</th>
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<td>Communication</td>
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<tr>
<td>Advertising and public relations</td>
<td>79.00</td>
<td>KG</td>
<td>3</td>
<td>English</td>
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<tr>
<td>Digital media</td>
<td>70.00</td>
<td>KG</td>
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<tr>
<td>Entertainment industries</td>
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<td>KG</td>
<td>3</td>
<td>English</td>
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<td>Journalism</td>
<td>79.00</td>
<td>KG</td>
<td>3</td>
<td>English</td>
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<td>Professional communication</td>
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<td>Animation</td>
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<td>Creative writing</td>
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<td>KG</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Dance</td>
<td>♦</td>
<td>KG</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Dance performance</td>
<td>♦</td>
<td>KG</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Drama</td>
<td>70.00</td>
<td>KG</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Film, screen and new media</td>
<td>72.00</td>
<td>KG</td>
<td>3</td>
<td>English</td>
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<tr>
<td>Music</td>
<td>♦</td>
<td>KG</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Technical production</td>
<td>79.00</td>
<td>KG</td>
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<td>English</td>
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<tr>
<td>Visual arts</td>
<td>♦</td>
<td>KG</td>
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<td>English</td>
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<td>Design</td>
<td></td>
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<tr>
<td>Design with international study year</td>
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<td>Architecture</td>
<td>82.00</td>
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<td>Fashion</td>
<td>70.00♦</td>
<td>GP/KG</td>
<td>3</td>
<td>English</td>
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<tr>
<td>Industrial design</td>
<td>70.00</td>
<td>GP</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Interaction design</td>
<td>70.00</td>
<td>GP/KG</td>
<td>3</td>
<td>English</td>
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<tr>
<td>Interior architecture</td>
<td>70.00</td>
<td>GP</td>
<td>3</td>
<td>English</td>
</tr>
<tr>
<td>Landscape architecture</td>
<td>70.00</td>
<td>GP</td>
<td>3</td>
<td>English</td>
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<tr>
<td>Visual communication</td>
<td>70.00</td>
<td>GP/KG</td>
<td>3</td>
<td>English</td>
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</table>

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- This course has additional entry requirements.

Campus: GP (Gardens Point), KG (Kelvin Grove)

For more information see the online course information at qut.edu.au/study.
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 Practise 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.

Double degrees Animation with business Creative writing with business, law, secondary education Dance with secondary education Film, screen and new media with business, law, secondary education Music with secondary education Visual arts with business, secondary education

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

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 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.

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

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

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.

Double degrees Architecture with business, construction management, engineering, property economics Fashion with business Industrial design with business, engineering, law Interaction design with business, engineering, information technology Interior architecture with business, construction management, property economics Landscape architecture with business, engineering, urban and regional planning, science Visual communication with business

Want an international flavour?
The Bachelor of Design—International combines the three-year design degree in one of the study areas listed with one year of international studies.

Following a passion
I have danced both in school and outside of school my entire life. I absolutely loved my dance teachers in school and want to inspire my students and make them feel safe the same way my teachers did for me. Studying at QUT and being able to use the world-class dance studios in the Creative Industries Precinct at the Kelvin Grove campus is amazing. Students have access to these rooms 24/7 so we can rehearse any time we like.

Lucy Turner
Dance and education student
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

Behavioural science (psychology)
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.

Health information management Collect, maintain and manage data that can improve health services for individuals and communities. The employment opportunities are excellent and you will graduate with knowledge in business, information technology and health.

Human services Provide support to individuals, families and communities who are experiencing social or economic adversity. You may work as a case manager, counsellor, policy development officer, child protection officer or youth worker, or in aid, not-for-profit or human rights organisations.

Medical imaging Use techniques such as X-ray, computed tomography (CT), and magnetic resonance imaging (MRI) to produce high-quality images that can be used by medical specialists to diagnose, manage and treat an injury or disease.

Medical laboratory science Perform tests on human and veterinary specimens including blood, bodily fluids, stool, urine and tissue biopsies to investigate disease. You can work in pathology in hospitals or labs, or undertake further studies for a career in research.

Nursing With on-campus facilities that replicate hospital surroundings, equipment and scenarios, you will develop the confidence and skills to work in a range of nursing environments. You will also complete more than 800 hours of placement during the course and learn from some of Australia’s most respected nurse academics and researchers.

Nutrition and dietetics Develop an advanced knowledge of nutrition and advise on appropriate diet, food preparation and menu planning to treat nutrition-related disease. You may provide individual dietary counselling, medical nutrition therapy or group dietary therapy.

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.

Course | Selection rank | Campus | Duration (years) | Assumed knowledge
--- | --- | --- | --- | ---
Behavioural science (psychology) | 77.00 | KG | 3 | English
Biomedical science | 75.00 | GP | 3 | English, Math Methods, Chemistry, Biology
Clinical exercise physiology | 82.00 | KG | 4 | English, Math Methods, and at least one of: Chemistry, Physics, Biology
Health information management | 72.00 | KG | 3 | English
Human services | 70.00 | KG | 3 | English
Medical imaging | 99.00 | GP | 4 | English, Math Methods, Physics
Medical laboratory science | 70.00 | GP | 4 | English, Math Methods, Chemistry
Nursing | 79.00 | KG | 3 | English
Nutrition and dietetics | 94.00 | KG | 4 | English, Math Methods, Chemistry
Nutrition science | 70.00 | KG | 3 | English, Math Methods, Chemistry
Paramedic science | 92.00 | KG | 3 | English
Pharmacy | 77.00 | GP | 4 | English, Math Methods, Chemistry
Podiatry | 82.00 | KG | 4 | English, Math Methods, Chemistry
Public health | 72.00 | KG | 3 | English
Radiation therapy | 96.00 | GP | 4 | English, Math Methods, Physics
Social work | 72.00 | KG | 4 | English
Sport and exercise science | 70.00 | KG | 3 | English, Math Methods, and at least one of: Chemistry, Physics, Biology
Vision science (optometry) | 98.00 | KG | 5 | English, Chemistry, Math Methods, Physics

For all assumed knowledge or prerequisite subjects:
- a grade of C or Higher in Units 3 & 4 is specified
- English = one of English, Literature, English and Literature Extension, English as an Additional Language
- Other ranks were used to select applicants at the threshold
- This course has additional entry requirements

For more information see the online course information at qut.edu.au/study
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. Students gain practical experience treating patients in the QUT Health Clinics.

Public health Improve the health of whole populations through health education and promotion, policy development, risk management or disease prevention. Graduates work in health departments, community organisations and international health agencies.

Radiation therapy Plan and deliver radiation treatment for cancer patients. QUT is the only university in Queensland to offer a radiation therapy degree.

Social work Support individuals, families and communities experiencing hardship and anguish in hospitals, mental health settings or other clinical environments. You may also work in leadership and management roles in child protection, youth services, corrective services, justice and legal services, family support and counselling, and Indigenous services.

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.

Double degrees Biomedical science with business, law, mathematics Human services with business, creative industries, justice, public health Nursing with paramedic science, psychology, public health Nutrition science with professional communication Paramedic science with nursing Psychology with business, justice, law, nursing, social work. Public health with human services, nursing, professional communication Social work with psychology

Starting my own business

I chose to study nutrition and dietetics because I love food, health and people. I struggled with my weight as a teenager and wanted to provide something in the health and fitness space different to the body-obsessed, flash-in-the-pan crazes out there. I’m now helping people with their food and exercise at Your Fit, my own business. While at QUT I met a guest lecturer who became my mentor and friend, collaborating with them in business as well.

Sean Cornish
Nutrition and dietetics graduate
Science and engineering

If you like these subjects you might like studying science and engineering: aerospace systems, biology, business, chemistry, digital solutions, economics, engineering, geography, graphics, information technology, maths, physics

Careers: aerospace engineer, biochemist, conservation officer, data analyst, environmental scientist, geologist, industrial chemist, physicist, roboticist, science communicator, security analyst, statistician

Engineering

Chemical process Design, develop and optimise industrial processes to make products such as oil, gas and 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.

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, develop and maintain systems and machinery. You may be involved in commissioning a factory, selecting equipment, working in a design office, or managing people and systems in a manufacturing plant.

Mechatronics 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 maintain medical equipment, such as CT scanners or kidney dialysis machines, to maintain medical equipment, such as CT scanners or kidney dialysis machines, to maintain medical equipment, such as CT scanners or kidney dialysis machines.

Double degrees Engineering with architecture, business, industrial design, information technology, interaction design, landscape architecture, mathematics, science

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.

Games and interactive environments Learn about the games and interactive media industries, from idea generation through to final product. Develop skills in visualisation, interaction and communication, graphics programming and game artificial intelligence.

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.

Double degrees Games and interactive environments with business, mathematics, science Information technology with business, creative industries, digital media, engineering, interaction design, law, mathematics, science, secondary education

<table>
<thead>
<tr>
<th>Course</th>
<th>Selection rank</th>
<th>Campus</th>
<th>Duration (year)</th>
<th>Assumed knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Chemical process</td>
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<td>GP</td>
<td>4</td>
<td>English, Math Methods</td>
</tr>
<tr>
<td>Civil</td>
<td>75.00</td>
<td>GP</td>
<td>4</td>
<td>English, Math Methods</td>
</tr>
<tr>
<td>Computer and software systems</td>
<td>75.00</td>
<td>GP</td>
<td>4</td>
<td>English, Math Methods</td>
</tr>
<tr>
<td>Electrical</td>
<td>75.00</td>
<td>GP</td>
<td>4</td>
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</tr>
<tr>
<td>Electrical and aerospace</td>
<td>75.00</td>
<td>GP</td>
<td>4</td>
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<tr>
<td>Mechanical</td>
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<td>GP</td>
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<td>Mechatronics</td>
<td>75.00</td>
<td>GP</td>
<td>4</td>
<td>English, Math Methods</td>
</tr>
<tr>
<td>Medical</td>
<td>75.00</td>
<td>GP</td>
<td>4</td>
<td>English, Math Methods</td>
</tr>
<tr>
<td>Information technology</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Computer science</td>
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<td>GP</td>
<td>3</td>
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<td>Games and interactive environments</td>
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<td>GP</td>
<td>3</td>
<td>English, Maths</td>
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<tr>
<td>Information systems</td>
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<td>GP</td>
<td>3</td>
<td>English, Maths</td>
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<tr>
<td>Mathematics</td>
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<tr>
<td>Applied and computational mathematics</td>
<td>89.00</td>
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<td>3</td>
<td>English, Math Methods</td>
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<tr>
<td>Operations research</td>
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<tr>
<td>Statistics</td>
<td>89.00</td>
<td>GP</td>
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<tr>
<td>Science</td>
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<td></td>
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<tr>
<td>Biological sciences</td>
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<td>GP</td>
<td>3</td>
<td>English, Math Methods</td>
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<tr>
<td>Chemistry</td>
<td>70.00</td>
<td>GP</td>
<td>3</td>
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<td>Earth science</td>
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<tr>
<td>Environmental science</td>
<td>70.00</td>
<td>GP</td>
<td>3</td>
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<tr>
<td>Physics</td>
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<td>GP</td>
<td>3</td>
<td>English, Math Methods</td>
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<tr>
<td>Urban development</td>
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<td></td>
<td></td>
</tr>
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<td>Construction management</td>
<td>70.00</td>
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<td>English, Maths</td>
</tr>
<tr>
<td>Quantity surveying and cost engineering</td>
<td>70.00</td>
<td>GP</td>
<td>4</td>
<td>English, Maths</td>
</tr>
<tr>
<td>Urban and regional planning</td>
<td>70.00</td>
<td>GP</td>
<td>4</td>
<td>English</td>
</tr>
</tbody>
</table>

For all assumed knowledge or prerequisite subjects:
- a grade of C or higher in Units 3 & 4 is specified
- English = one of English, Literature, English and Literature Extension, English as an Additional Language
- Maths = one of General Maths, Math Methods, Specialist Maths

The selection rank is a good indication of the equivalent ATAR. The selection rank shown is the lowest to receive an offer in the 15 January 2020 offer round inclusive of adjustments.

* This course will be offered from 2021 subject to final university approval.

Campus: GP (Gardens Point), KG (Kelvin Grove), EX (external)

For more information see the online course information at qut.edu.au/study
Mathematics
Applied and computational mathematics Use mathematical modelling to distil complex real-world problems into abstract mathematical frameworks, and apply them to real-world scenarios in the fields of physical and chemical sciences, biology, engineering and social science.

Operations research Use mathematical modelling and algorithms to design, operate and predict behaviour of complex systems like machinery, materials and money in industry, business, finance, education, government and defence.

Statistics Apply mathematical and statistical theory, and use modern computing, to provide insights to data and reasoning around uncertainty such as the development of new financial products, optimising transport schedules in today’s busy world or using data mining to help understand pandemic disease transmission.

Double degrees Mathematics with biomedical science, business, engineering, games and interactive environments, information technology, secondary education*, science

Science
Biological sciences Work on problems to do with life and living things. How will we feed the world’s growing population in 2025? How can we save rare species from extinction? This course prepares you with studies in animal physiology, genetics, animal and plant sciences, and microbiology.

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

Earth science Study geology (the rocky parts of the Earth’s crust), physical geography (the Earth’s surface), 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.

The Bachelor of Science Advanced (Honours) 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.

Double degrees Science with business, engineering, games and interactive environments, information technology, journalism, landscape architecture, law, mathematics, professional communication, secondary education* Environmental science with urban and regional planning

Urban development
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.

Double degrees Construction management with architecture, interior architecture Urban and regional planning with environmental science, landscape architecture

Combining subjects from school
Engineering combines all the things that I was interested in during school—maths, science, design and problem solving. I recently worked with a senior researcher to develop the electronic systems for an autonomous surf lifesaving robot that can be directed through the surf to people in distress. In my mechatronics degree, I’ll continue to develop my skills in these areas and apply them to the world of the future.

Jarod Lam Mechatronics engineering student


**Law and justice**

If you like these subjects you might like studying law and justice: accounting, business, economics, English, film, television and new media, history, languages, legal studies.

**Careers:** barrister, community corrections officer, corrective services officer, customs officer, government lawyer, government policy officer, information security specialist, in-house lawyer, intelligence officer, police officer, solicitor in a law firm, youth justice 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.

**Law** Learn about contracts, torts, property law, evidence, constitutional law, equity and trusts, criminal law and corporate law. You can also take optional units in intellectual property, human rights, environment, family law, media law, health law, artificial intelligence, robots and the law, and other areas, or complete a minor in law, technology and innovation. Graduates work as legal practitioners, or in business, government and community organisations.

**Double degrees** Justice with business, digital media, human services, journalism, law, professional communication, psychology. Law with biomedical science, business, creative industries, creative writing, digital media, entertainment industries, film, screen and new media, industrial design, information technology, journalism, justice, property economics, psychology, science.

<table>
<thead>
<tr>
<th>Course</th>
<th>Selection</th>
<th>Campus</th>
<th>Duration (years)</th>
<th>Assumed knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Justice</td>
<td>70.00</td>
<td>GP/EX</td>
<td>3</td>
<td>English</td>
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<tr>
<td>Law</td>
<td>87.00</td>
<td>GP/EX</td>
<td>4</td>
<td>English</td>
</tr>
</tbody>
</table>

Refer to table footnotes on page 10.

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**It’s OK to change your mind**

I started at uni and then realised my course wasn’t the right fit for me. With some advice from QUT staff in the Oodgeroo Unit and career educators, I discovered my passion for helping Aboriginal and Torres Strait Islander youth involved in the criminal justice system. I switched to a justice and human services double degree and haven’t looked back.

Alicia Brown
Justice and human services student.

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**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

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The Queensland University of Technology (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.