Science, Mathematics, Agriculture and Environment

2023 Undergraduate Programs
Advanced Science
Agribusiness
Agricultural Science
Biomedical Science
Biotechnology
Environmental Management
Environmental Science
Equine Science
Mathematics
Occupational Health and Safety Science
Science
Veterinary Science
Veterinary Technology
Wildlife Science
QS Graduate Employability Rankings 2022

#1 in Queensland for graduate employability
QS Graduate Employability Rankings 2022

3 Campuses
6 Faculties

56,000+ students from more than 140 countries
#1 university in Australia in the prestigious *Nature* index

More national teaching awards than any other Australian university

100% carbon neutral
Why study science at UQ?

 Ranked in the world’s top 50 universities*, UQ offers you one of the widest choices of science disciplines in Australia. Experience innovative programs taught by world-class academics who will equip you with the skills and knowledge you will need to address today’s global scientific challenges.

Largest choice of science disciplines
UQ Science offers you a huge diversity of disciplines, encompassing pathways to traditional and emerging cross-disciplinary science careers, and incorporating broader options for careers in areas such as agriculture, biomedical science, veterinary science, the environment and food technology, to name a few.
You will find job opportunities among the largest employers of scientists, technologists, business managers, consultants and other professionals, both in Australia and overseas.

Great career outcomes
As a UQ Science graduate, your comprehensive, up-to-date knowledge and practical skills will equip you to undertake key roles in solving the challenges facing our world today. You can anticipate high employability rates and attractive starting salaries because of your skills and expertise. You will also have access to other UQ graduates through a strong global network of science alumni.

Exceptional learning opportunities
As a UQ Science student you will be exposed to a range of relevant and innovative programs that will prepare you to work in solving local, national and global challenges. You will access exceptional learning experiences with highly awarded teachers who will help you gain insights into the complexity of topical and contemporary problems through case studies and scenarios. Your classes will be enhanced by online interactive modules incorporating virtual objects such as 3D models or ‘virtual field trips’ using immersive visualisation eLearning tools. You will build and extend your technical and applied expertise through a combination of laboratory-based practicals, workshops, Australian or international field studies, internships and work experience. This blend of discipline-focused and practical knowledge will allow you to develop your analytical, teamwork and problem-solving skills to equip you for a career in industry or research.
You will also access premier student social and learning facilities, and the largest number of science-based teaching and research spaces in Queensland.

Practical experience
You will benefit from interacting with industry representatives, undertaking professional placements or internships, participating in the Summer Research Program with award-winning UQ researchers, and integrating industry-based training and real-life projects into your theoretical studies.
Your program may incorporate a year of research-intensive study called ‘honours’, or you may choose to complete honours as an additional component to gain valuable project management and research skills.
Your practical experience will open your world to a diverse range of careers that will allow you to work on issues such as climate change, biosecurity, feeding the global population, sustainable energy, disease eradication and the management of diminishing natural resources.
You may even choose to study overseas at one of UQ’s 140 international partner organisations to add a global perspective to your employment options.
Embark on a journey with us and discover how UQ is uniquely placed to make a difference to your future.

* QS World University Rankings 2021
Students work in the Heron Island lab as part of a field trip. Photograph by Lisa Kurtz.

Agriculture
1st in Australia
2nd in the world
2021 Performance Ranking of Scientific Papers for World Universities

Food Science and Technology
1st in Australia
14th in the world
ARWU Global Ranking of Academic Subjects, 2021

Biological Science
2nd in Australia
Q5 World University Rankings by Subject 2021

Environment
1st in Australia
4th in the world
2021 Performance Ranking of Scientific Papers for World Universities

Chemistry
3rd in Australia
Q5 World University Rankings by Subject 2021

Veterinary Science
26th in Australia
Q5 World University Rankings by Subject 2021

Biotechnology
1st in Australia
7th in the world
Q5 World University Rankings by Subject 2021
Experience UQ

We offer a range of experiences both before you start at UQ and once you’re studying, so you can make the most of your time at UQ.

UQ Open Day

St Lucia campus 7 August 2022
Gatton campus 21 August 2022
Find out about programs and courses, explore the campus and facilities, meet staff and current students, and enjoy the range of fun activities at this free event.
future-students.uq.edu.au/open-day

Experience UQ before you arrive

UQ offers students in years 9-12 access to a wide range of unique practical science experiences including:

Future Experiences in Agriculture, Science and Technology (FEAST)
4 days, residential

Experience Ecology
1 day, on campus

Heron Island and Moreton Bay Research Station Camps
1-5 days (customisable), residential

Student experience

Proactively build your employability with tailored programs and individual consultations that will make you stand out to employers during and on completion of your study. We partner with external employers, alumni, businesses, government and community organisations to create learning and engagement opportunities, including industry placements and internships. Some of the programs you can take advantage of as a UQ student include:

Leadership and Mentoring Program in Science (LaMPS)
Develop your leadership and mentoring capabilities through a series of online modules, on-campus workshops and events, and a residential camp. Learn about the psychology of leadership theory, emotional intelligence, the difference between leadership and management, how to lead yourself and others, and peer mentoring. LaMPS runs in Semester 2 each year and provides a pathway into the Science Leaders Academy.
Apply for a scholarship

Make your UQ experience more affordable with the support of a scholarship. You may not think you’re eligible, but you might be surprised!

University-wide scholarships

UQ has a range of scholarships designed to attract, reward and support outstanding students from all walks of life. Our scholarships develop and encourage tomorrow’s leaders and offer support to students who might not otherwise be able to attend university.

UQ Academic Scholarships

The UQ Academic Scholarships scheme offers two flagship undergraduate scholarships: UQ Vice-Chancellor’s Scholarships and UQ Excellence Scholarships.

If you're completing Year 12 in 2022, or you completed Year 12 in 2021 and are on a gap year, you may be eligible to apply for a scholarship.

Equity scholarships

UQ strongly believes all students deserve equal access to education. Equity scholarships are designed to support students from low socio-economic, disadvantaged or under-represented backgrounds.

Study area scholarships

UQ has a diverse range of scholarships that support and encourage commencing and continuing students in particular study areas.

Employability

UQ offers a variety of grants and loans to participate in a range of enriching international and domestic experiences that will enhance your employability.

Sporting

Elite athlete support

UQ is an elite athlete-friendly university, which supports over 200 elite-level student-athletes to manage their sport and studies. Dedicated UQ Sport staff, in partnership with UQ, provide academic liaison support to negotiate flexible options for enrolment, assessment and course-related needs.

Get in early

Scholarship applications close at different times throughout 2022 – plan your applications and apply early so you don’t miss out!
### BACHELOR DEGREE IN (MAJORS LISTED UNLESS OTHERWISE SPECIFIED)

<table>
<thead>
<tr>
<th>Advanced Science (Honours)</th>
<th>Minimum Selection Threshold 2022 ATAR / IB</th>
<th>Prerequisites</th>
<th>Lowest ATAR to receive an offer of a place for Semester 1, 2022</th>
<th>Fee Band</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Applied Mathematics; Archaeological Science; Biochemistry and Molecular Biology; Bioinformatics; Biomedical Science; Cell Biology; Chemistry; Coastal and Ocean Science; Computer Science; Earth Science; Ecology and Conservation Biology; Food Science and Nutrition; Food Technology; Genetics; Geographical Science; Marine Biology; Mathematics; Microbiology; Physics; Plant Science; Public Health; Statistics; Zoology.</td>
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<td>95.00 / 37</td>
<td>English, Mathematical Methods, plus two of Agricultural Science, Biology, Chemistry, Earth and Environmental Science, Physics or Specialist Mathematics, at least one of which must be Biology, Chemistry or Physics</td>
<td>4F or P</td>
<td>95.10 / 91.90 G, S</td>
<td>731901</td>
<td>11</td>
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</table>

| Agribusiness | 77.00 / 27 | English and General Mathematics or Mathematical Methods | 3F or P | 77.70 / 77.70 G, S | 766001 | 12 |

| Agribusiness / Agricultural Science | 86.00 / 32 | Environmental Management (Honours) | 4F or P | 80.85 / 80.85 G, S | 766001 | 12, 13 |

| Agribusiness / Equine Science | 77.00 / 27 | Environmental Science | 85.00 / 29 | 82.15 S | 732101 | 14 |

| Agribusiness / Wildlife Science | 78.20 / 78.20 | Information Technology / Science | 86.50 / 84.45 | S | 732111 | 14, 22 |

| Agricultural Science | 77.00 / 27 | Information Technology / Science | 77.55 / 77.55 | G | 762019 | 13 |

| Biomedical Science | 85.00 / 31 | Biomedical Science / Science | 85.00 / 29 | 82.15 S | 732101 | 14 |

| Biomedical Science / Science | 85.00 / 31 | Information Technology / Science | 86.50 / 84.45 | S | 732111 | 14, 22 |

| Biotechnology | 81.00 / 29 | Biotechnology | 82.10 / 79.85 | S | 731101 | 15 |

| Business Management / Science | 80.00 / 29 | Business Management / Science | 81.85 / 79.85 | G | 710101 | 22 |

| Commerce / Science | 85.00 / 31 | Commerce / Science | 85.85 / 81.85 | S | 711101 | 22 |

| Computer Science / Science | 86.00 / 32 | Computer Science / Science | 90.15 / 89.95 | S | 733601 | 22 |

| Economics / Science | 85.00 / 31 | Economics / Science | 89.40 / 89.40 | S | 733601 | 22 |

| Engineering (Honours) / Biotechnology | 86.00 / 32 | Engineering (Honours) / Biotechnology | 86.35 / 85.20 | S | 717501 | 15 |

| Engineering (Honours) / Mathematics | 93.00 / 36 | Engineering (Honours) / Mathematics | 93.00 / 88.75 | S | 717901 | 19 |

| Engineering (Honours) / Science | 86.00 / 32 | Engineering (Honours) / Science | 86.30 / 83.95 | S | 717901 | 22 |

| Environmental Management (Honours) | 80.00 / 29 | Environmental Management (Honours) | 80.30 / 80.30 | S | 705101 | 16 |

| Environmental Science | 84.00 / 30 | Environmental Science | 85.00 / 84.10 | S | 738001 | 17 |

| Equine Science | 75.00 / 26 | Equine Science | 75.30 / 73.75 | G | 787009 | 18 |

| Information Technology / Science | 86.00 / 32 | Information Technology / Science | 86.80 / 86.80 | S | 733301 | 22 |

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* Minimum (adjusted) selection threshold 2022 is the minimum score that was considered for an offer of a place to all applicants.

* Lowest ATAR to receive an offer for all recent secondary students who were offered a place for Semester 1, 2022. The lowest ATAR (Adjusted) refers to the ATAR plus any adjustment factors. The Lowest ATAR (Unadjusted) refers to the lowest ATAR excluding any adjustment factors.

**Fee Band**

See table on page 45 for indicative fees.

**Prerequisites**

All prerequisites are at Year 12 level with a minimum grade of C over four semesters.

**Duration**

The time normally taken to complete a program, according to the mode in which it is undertaken. F = full-time; P = part-time.

**Location**

S = UQ St Lucia, G = UQ Gatton, H = UQ Herston
<table>
<thead>
<tr>
<th>Bachelor Degree in (majors listed unless otherwise specified)</th>
<th>Minimum Selection Threshold 2022 ATAR / IB</th>
<th>Prerequisites</th>
<th>Duration</th>
<th>Lowest ATAR to Receive an Offer 2022</th>
<th>Campus</th>
<th>GATC Code</th>
<th>See Page</th>
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<tbody>
<tr>
<td>Mathematics - Applied Mathematics; Data Analytics and Operations Research; Mathematical Physics; Pure Mathematics; Statistics</td>
<td>93.00 / 36</td>
<td>English and Mathematical Methods. Specialist Mathematics is recommended</td>
<td>3F or P</td>
<td>93.80 91.80</td>
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<td>Mathematics / Business Management</td>
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<tr>
<td>Mathematics / Commerce</td>
<td>93.00 / 36</td>
<td>English and Mathematical Methods. Specialist Mathematics is recommended</td>
<td>4F or P</td>
<td>93.30 91.30</td>
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<td>Mathematics / Computer Science</td>
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<tr>
<td>Music (Honours) / Science</td>
<td>80.00 / 29</td>
<td>English, Mathematical Methods, plus one of Biology, Chemistry, Earth and Environmental Science, or Physics. Specialist Mathematics is recommended</td>
<td>5F</td>
<td>83.15 83.15</td>
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<tr>
<td>Occupational Health and Safety Science (Honours)</td>
<td>78.00 / 28</td>
<td>English, Mathematical Methods, plus one of Chemistry, Physics or Biology</td>
<td>4F or P</td>
<td>80.35 78.35</td>
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<td>Science</td>
<td>Applied Mathematics; Archaeological Science; Astrophysicsx; Biochemistry and Molecular Biology; Bioinformatics; Biomedical Science; Biophysics; Cell Biology; Chemical Biology; Chemistry; Coastal and Ocean Science; Computer Science; Developmental Biology; Earth Science; Ecology and Conservation Biology; Entomology; Food Science and Nutrition; Food Technology; Genetics; Geographical Science; Geographical Information Science; Human Anatomy; Human Physiology; Immunology; Marine Biology; Mathematics; Microbiology; Microbiology; Infection and Immunityx; Neuroscience; Pharmacology; Physics; Plant Science; Psychology; Public Health; Statistics; Zoology</td>
<td>80.00 / 29</td>
<td>English, Mathematical Methods, plus one of Biology, Chemistry, Earth and Environmental Science or Physics</td>
<td>3F or P</td>
<td>80.05 77.70</td>
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<td>Science / Arts</td>
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<td>Science / Education (Secondary)**</td>
<td>80.00 / 29</td>
<td>English, Mathematical Methods plus one of Biology, Chemistry, Earth and Environmental Science, or Physics</td>
<td>4F or P</td>
<td>80.85 80.85</td>
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<td>Science / Journalism</td>
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<tr>
<td>Science / Laws (Honours)</td>
<td>98.00 / 41</td>
<td>English, Chemistry, Mathematical Methods, plus one of Physics or Biology and CASPer test***</td>
<td>5F or P</td>
<td>98.00 95.20</td>
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<tr>
<td>Veterinary Science (Honours)***</td>
<td>99.40 / 43</td>
<td>English, Chemistry, Mathematical Methods, plus one of Physics or Biology and CASPer test***</td>
<td>5F</td>
<td>99.60 94.95</td>
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<tr>
<td>Veterinary Technology</td>
<td>78.00 / 28</td>
<td>English and either General Mathematics or Mathematical Methods, Biology, Chemistry and/or Physics are recommended</td>
<td>3F or P</td>
<td>78.20 74.95</td>
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<tr>
<td>Wildlife Science</td>
<td>75.00 / 26</td>
<td>English and either General Mathematics or Mathematical Methods, Biology, Chemistry and/or Physics are recommended</td>
<td>3F or P</td>
<td>75.05 71.15</td>
<td>G</td>
<td>787209</td>
<td>42</td>
</tr>
</tbody>
</table>

* Only the Public Health major is offered at the Herston campus.
** Available as an extended major only.
*** Available as a minor only.
* Students without Specialist Mathematics (or equivalent) may be required to undertake preparatory courses beyond the 64 units for the program, and may not be able to complete the program in the minimum time frame without overloading or undertaking summer study.
** Students may take the program on a part-time basis, but the final year must be commenced in Semester 1 and must be taken on a full-time basis.
*** Applicants must complete a situational judgement test that recognises attributes other than academic performance. See future-students.uq.edu.au
A truly global network

You know the importance of thinking and acting globally. So do we.

Our worldwide partner and alumni networks give you the international opportunities and connections to enhance your learning, life skills and employment prospects from the start of your degree to long after you graduate.

Grow your global network
As a UQ student, St Lucia, Herston or Gatton is just the first stop on your university adventure. Grow your global network through our student exchange program by studying up to two semesters of your degree at one of our 141 partner institutions in 34 countries.
You’ll gain credit while expanding your world perspective, enhancing your employability, developing your network, and maybe even learning a new language. While on exchange, tuition fees at the host university are waived as you remain enrolled at and pay fees to UQ.
employability.uq.edu.au/get-experiences

Unlock new languages
In a global economy, the ability to communicate with a wide range of people is invaluable. Want to brush up on your language skills? Current undergraduate students can study a Diploma in Languages alongside any UQ program. Language classes are also offered to students and the public at our Institute of Modern Languages where you can choose from more than 25 different languages.
School of Languages and Cultures
languages-cultures.uq.edu.au
Institute of Modern Languages
iml.uq.edu.au

Take a short-term experience
While studying, you can participate in short-term global and virtual study experiences scheduled during the semester breaks, where you can immerse yourself in a new culture for two to eight weeks to enhance your academic learning and employability. If you’re looking at expanding your practical skillset through short-term work experiences, opportunities for domestic, virtual and global internships are available.
employability.uq.edu.au/get-experiences

Make global business connections
At UQ, you’ll join a global network of more than 307,000 graduates, many of whom are leaders in their fields, including more than 15,800 PhDs in 170 countries. You’ll benefit from an extensive graduate network, strong industry partnerships and many notable alumni.
alumni.uq.edu.au

Global Startup AdVentures
Learn alongside a startup in some of the world’s most vibrant startup hot spots – including San Francisco, Shanghai, Shenzhen, Tel Aviv and Singapore.
ventures.uq.edu.au/startup-adventures

Partner for change
Global connectivity is at the heart of our vision to create knowledge leadership for a better world. From renewable energy technologies and sustainable mining practices, to disease control and child psychology, our international collaborations are working towards a cleaner, healthier and happier future. Explore our impact around the world.
global-engagement.uq.edu.au

We are a member of the prestigious Group of Eight coalition in Australia and the leading global network of research universities, Universitas 21.
UQ Skills vocational training

Even more pathways to careers
Whether you’re still at school, about to finish your studies, a mature age student, or seeking a career change, let UQ Skills put your career on the right track.

UQ Skills is a Registered Training Organisation (RTO #1511) offering government- and industry-subsidised and fee-for-service training programs through UQ.

With UQ Skills you can study entry-level qualifications at school to start your career. Post-schooling, UQ Skills can help you gain higher technical skills and business-related knowledge for management roles. UQ Skills has a range of programs to help you achieve your specific career goals.

Study at school (Vocational Education and Training in schools)
UQ Skills offers a range of government funded Certificate II programs for Year 10, 11 and 12 students. These can count towards your Queensland Certificate of Education (QCE).

Certificate III programs, while not government funded, are offered at a low fee-for-service price. These certificate programs can give you the skills to jump right into employment in rural areas and animal industries. Learn to work with and care for animals, including wildlife and exhibited animals to provide a pathway to be a veterinary nurse or wildlife expert. Undertake agricultural programs to learn how to safely store and transport chemicals; identify, handle and draft livestock; operate and maintain machinery, including quad bikes, tractors and side by side utility vehicles; and undertake weed control. Visit the UQ Skills website to see the latest courses on offer.

No matter where you are, you can choose a study option to suit you:
• online, blended and/or face-to-face depending on your needs
• onsite (at your school) and/or offsite delivery locations
• intensive block training at your school or a training camp at UQ Skills’ training centre on UQ’s Gatton campus.

Study after leaving school
If you don’t complete a Certificate II or III at school you can study these, and other higher level programs, with UQ Skills when you finish school.

Why not learn to manage a range of operations in the expanding technical global agricultural sector? Learn from leading industry experts who will teach you strategies in analysing information and complex decision-making.

If you already have a certificate qualification, choose from programs such as the Diploma of Agribusiness Management (AHC51419) or the dual Diploma in Agribusiness Management (AHC51419)/ Diploma of Agriculture (AHC50116). You’ll gain advanced technical skills and business-related knowledge to move into middle management in a rural enterprise.

Need to fast-track your skills?
UQ Skills offers short accredited training programs in farm business management, rural leadership and other areas which provide credit towards further study. These one- to two-week programs have online theory components with two- to four-day practical training workshops. UQ Skills also offers 100% online programs to allow for training in regional and remote areas across Queensland.

Or if you already have skills you’ve developed through prior work experience, have these formally recognised so they count towards entry into other programs. UQ Skills can help you through this skills recognition process to access further training and formalise your industry experience.

Let UQ Skills be your pathway into a career. Contact the UQ Skills team now to find out more.

UQ Skills
+61 7 5460 1353
uqskills@uq.edu.au

Access funded training at school or post-school. Gain additional skills and boost your career prospects across a range of industry sectors.

Study and training after Year 10 linked to better employment prospects
Australian Jobs Report 2021
Program table explained

<table>
<thead>
<tr>
<th>QTAC CODE</th>
<th>UQ CODE</th>
<th>MINIMUM SELECTION THRESHOLD 2022 ATAR / IB</th>
<th>LOWEST ATAR TO RECEIVE AN OFFER 2022 ADJUSTED</th>
<th>DURATION</th>
<th>START SEMESTER</th>
<th>CAMPUS</th>
<th>HONOURS</th>
<th>DUAL PROGRAM AVAILABLE</th>
<th>ADMISSION REQUIREMENTS</th>
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<tbody>
<tr>
<td>A unique code number assigned by QTAC to each individual undergraduate university program. You will need to use this number on your QTAC application.</td>
<td>A unique identifying number assigned by UQ for each academic program.</td>
<td>The minimum (adjusted) selection threshold is the minimum score that was considered for an offer of a place to all applicants.</td>
<td>IB – International Baccalaureate points.</td>
<td>ATAR / IB</td>
<td>The Australian Tertiary Admission Rank (ATAR) is the standard measure of overall school achievement used in all Australian states and territories. It is a rank indicating a student’s position overall relative to other students. The ATAR is expressed on a 2000-point scale from 99.95 (highest) down to 0, in increments of 0.05. The ATAR replaced the Overall Position (OP) as the standard pathway to tertiary study for Queensland Year 12s in 2021.</td>
<td>Previously referred to as ‘bonus points’, these are a numerical value added to or used in combination with an ATAR. Common adjustment factors may include subject adjustments, enrichment studies, or educational disadvantage.</td>
<td>The lowest ATAR to which an offer was made to recent school leavers including any adjustment factors that may have been applied.</td>
<td>The lowest ‘raw’ ATAR to which an offer was made to recent school leavers, excluding any adjustment factors.</td>
<td>Duration: The time it takes to complete a program when it is studied full-time. Full time: The standard study load is eight units per semester. Full-time study is 75 per cent or more of the standard study load (i.e. six units per semester for most programs). Part time: Part-time study load is less than 75 per cent of the standard study load (i.e. less than six units per semester for most programs). Start Semester: The academic year at UQ is divided into two main semesters. Semester 1 starts at the end of February and Semester 2 starts at the end of July. Campus: One of three UQ teaching sites where the majority of lectures are held. Honours: At UQ, honours may be awarded as a one-year bachelor’s honours degree after you have completed a bachelor’s degree, or as a single bachelor’s honours degree typically taking four years of study. Some undergraduate programs allow eligible students to transfer to a bachelor’s honours degree at a defined point in the bachelor’s degree. This box shows whether honours is available with a program. Dual Program: Two UQ degree programs undertaken at the same time (sometimes known as dual/parallel/combined/double degree). This box lists dual programs you can choose to study with a program. Admission Requirements: Some programs require you to have completed specific subjects (or their equivalent) at school. Some also have additional requirements.</td>
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</tbody>
</table>
Bachelor of Advanced Science (Honours)

Challenge and develop your critical thinking and analytical skills in this elite four-year program, and prepare yourself for a rewarding career in science research and industry.

Why Advanced Science (Honours) at UQ?
The Bachelor of Advanced Science (Honours) is a four-year specialised program that will challenge you to become a high-achieving future leader in science. Pursue your scientific passion while gaining extensive research experience under the guidance of prominent research scientists and thought-leaders.

Throughout your program you’ll work alongside researchers and collaborate with your peers on cutting-edge research projects to challenge your problem-solving capabilities and develop your research, analytical and communication skills.

What you will study
In your first year you’ll enhance your interdisciplinary scientific knowledge and practical skills with a broad range of advanced courses. You’ll then choose a specialisation and further develop your scientific and technical skills. Add to your specialisation with a major or minor across a broad range of scientific fields. UQ offers one of the broadest selections of science disciplines in Australia. Choose from 24 majors and 32 minors. Alternatively, follow your curiosity outside the world of science and diversify your skill set by choosing from 46 minors in other study areas. For instance, you can combine your science specialisation with a choice of minors in languages, communication, design or economics.

The program’s structure is flexible and allows you a wide choice of study options that can lead to greater career opportunities.

In your final year, you will complete an independent research project in your chosen specialisation. In some cases this may also be combined with advanced coursework to enhance your expertise. This project will give you in-depth skills for a research career, as well as building your skills in scientific analysis, critical thinking, writing and communication, which are in demand in both academic and corporate sectors.

You’ll graduate with a respected honours qualification, with advanced knowledge and skills that will set you apart in a competitive job market, prove your leadership potential, and provide a pathway into future research and learning.

Careers
You will be sought by industry and research organisations for your excellent problem-solving abilities. You will find expanding career possibilities in the government, health, corporate, environmental and financial sectors and in research organisations globally. You’ll be able to undertake a diverse range of roles such as a biochemist, embryologist, palaeo-environmental scientist, biodiversity project officer, exploration technician, biomedical scientist, wildlife management officer, mine geologist, quantitative researcher, or materials scientist.

Advanced Science is also an excellent pathway into medicine or a higher degree by research (HDR) such as a PhD.

SAMPLE COURSES
In addition to core courses, choose from over 30 advanced courses including:
- Advanced Theory and Practice in Science
- Advanced Biochemistry and Molecular Biology
- Advanced Biostatistics
- Advanced Molecular Cell Biology
- Advanced Genetics
- Advanced Plant Biology
- Advanced Zoology
- Advanced Ecology
- Advanced Integrative Cell and Tissue Biology
- Advanced Techniques in Biomedical Science
- Advanced Intermediate Chemistry
- Advanced Calculus & Linear Algebra
- Mathematical Analysis and Advanced Topics
- Advanced Microbiology and Immunology
- Advanced Quantum Mechanics
- Advanced Fields in Physics
- Advanced Bioinformatics I: Introduction
- Advanced Structural and Synthetic Biology
- Current Topics in Plant Science
- Advanced Genomics
- Advanced Molecular Cell Biology
- Advanced Research Experience in Biology
- Principles of Biomedical Research
- Advanced Organic Chemistry
- Advanced Inorganic Chemistry
- Advanced Microbes and Human Health
- Complex Analysis
- Advanced Statistical Mechanics
- Advanced Fields in Physics
- Advanced Plant Science Project
- Advanced Mathematical Statistics

For more information
future-students.uq.edu.au
science.uq.edu.au/planner
Bachelor of Agribusiness

Prepare yourself for a successful business career in the rapidly changing agricultural industry. Learn all aspects of the growing, processing, trading and financing of food and fibres. Gain valuable transferable business skills recognised in Australia and globally.

Why Agribusiness at UQ?
Agribusiness drives the entire supply chain and plays a vital role in the global economy. It begins with the seeds that grow the crops and ends with the retail marketing of food and fibres to consumers. It also contributes to the commercialisation of new biotechnologies and information technologies to improve the production and marketing of food and fibre products.

Study Agribusiness at UQ and you’ll prepare yourself for a business career in the rapidly changing agricultural industry. You’ll discover how to improve food production using agricultural inputs and technologies to improve the production and ends with the retail marketing of food and fibres.

Gain practical experience through case studies, business simulations, guest lectures, research projects and agribusiness site visits. In your final year, you’ll undertake a major group project with an agribusiness organisation, working in a small team to address the client’s brief. Your project will focus on commercial outcomes and may include international market research. Apply your business skills and knowledge in a real-life business context.

Dual programs
Study the Bachelor of Agribusiness as a dual degree with Bachelor of Agricultural Science (majoring in Agronomy, Animal Science or Horticulture), Bachelor of Equine Science or Bachelor of Wildlife Science. Combine your practical business skills with your interests in any of three disciplines.

Career opportunities
On graduation you will be globally job ready. Find positions in the agricultural industry in managerial, administrative or research roles related to:

- agribusiness management and research
- agropolitics
- banking, finance, investment and insurance
- commodity trading
- sales and marketing
- export marketing and management
- Australian and international government agencies and departments
- policy development and analysis in agricultural and regional agencies
- property management
- supply chain management
- international aid and development agencies
- tourism.

SAMPLE COURSES
Accounting for Decision Making
Agrifood Strategy and Competitiveness
Agribusiness Planning and Management
Applied Market Research
Commodities, Futures and Options
Export Marketing and Practices
Food and Fibre Case Studies I, II and III
Food and Fibre in the E-Landscape
Foundations of Marketing
Introduction to Human Resource Management
Sustainable Food Supply Chains

For more information
future-students.uq.edu.au
science.uq.edu.au/planner
Bachelor of Agricultural Science

Prepare to shape the future of agriculture and tackle global challenges. Gain the expertise to improve the productivity, competitiveness and sustainability of agricultural practices.

Why study Agricultural Science at UQ?
At UQ you will learn from world-leading academics with an active research focus and strong industry connections. Learn to apply and integrate the scientific, technological, managerial, economic and social principles of agriculture. Improve livestock and cropping outcomes for small-, medium- and large-scale farming operations.

Enhance your technical skills with an optional 120-hour practical industry placement. Build your knowledge of the current and emerging trends in agricultural innovation. Graduate with a globally respected work-ready qualification. Or undertake an extra honours year where you will complete an independent research project on a topic of your interest, while also acquiring skills in research methodologies, leadership and research communication.

You’ll have access to some of the best animal and veterinary facilities in the southern hemisphere. As an agricultural student at UQ you will learn from world-leading academics with an active research focus and strong industry connections.
Bachelor of Biomedical Science

Study the latest in globally relevant biomedical practices and gain the theoretical and hands-on skills to prepare yourself for a dynamic career in an industry that’s making incredible advances in modern medical science.

Why Biomedical Science at UQ?
Biomedical scientists assist in developing treatments for diseases. They carry out clinical tests, check the effectiveness of treatments, and research the causes and cures for diseases.

You’ll learn from leading UQ researchers at the forefront of developments in biomedical science. Integrate your interdisciplinary studies into a well-grounded and wide-ranging knowledge of this field.

What you will study
During your first two years, you will broadly cover the fields of molecular and cellular biology through to whole-body systems. Learn the scientific process by experimental design, hands-on experiments and computer modelling. In your third year choose to specialise in one or more areas of study.

Your areas of study
Courses focusing on molecular and cellular biology

Biochemistry and Molecular Biology
Gain the research tools to address questions on how cells divide, grow, communicate and die. Understand the structure, function and interactions of nucleic acids, proteins, carbohydrates and lipids, and their contribution to cellular activities and processes.

Developmental Biology
Learn how organisms and cells grow and develop organs and tissues using their genetic blueprint and environmental influences. This is central to understanding the basis of human health and disease.

Human Genetics
Use essential statistical and mathematical skills to study the human genome. Contribute to the ethical debate on the use of genetic information and be part of future discoveries.

Immunology and Infectious Diseases
Examine the principles of immunological responses to infectious diseases. Study the biology of microbes such as bacteria, fungi and viruses to understand the development of new vaccines and therapeutic treatments.

Courses focusing on body systems

Anatomy
Understand human anatomy through the collection and evaluation of anatomical data. Gain insights into human variation in health and disease. Perform tissue dissection to learn about the musculoskeletal, nervous and visceral systems.

Neuroscience
Study the nervous system, which integrates the processing and coordination of sensory information and motor commands. Discover how neuroscience and neural stem cells are being used to treat neurological and mental illnesses.

Pharmacology
Learn how drugs impact the functioning of the human body. Explore how pharmacologists are improving disease therapies through the development of new drugs or better use of existing drugs.

Physiology
Investigate normal body processes and the changes occurring in disease. Apply your knowledge at the molecular and cellular levels to understand the integrative control of tissues, organs and systems.

Practical experience
For more than half of your program, apply your theory through practical laboratory-based experiments.

Careers
Find a career in hospital and diagnostic clinical laboratories, biotechnology and pharmaceutical companies, laboratory positions in molecular and cellular biology, health policy, and communication in government or advisory organisations. This degree is an excellent pathway into postgraduate health programs, including the Doctor of Medicine.

Sample courses
Analysis of Scientific Data
Biochemistry and Molecular Biology
Structural and Synthetic Biology
Developmental Neurobiology
Immunology
Drug Design and Development
Genetics
Human Anatomy
Integrated Endocrinology
Microbiology and Immunology

For more information
future-students.uq.edu.au
science.uq.edu.au/planner

See also information on the Biomedical Science major in the Bachelor of Science on page 26.
Bachelor of Biotechnology

Biotechnology is a creative entrepreneurial field, where scientists design innovative products and technologies, pioneering new frontiers in health, agriculture, science, engineering – and beyond.

Why Biotechnology at UQ?

Biotechnology creates products to improve the world we live in. The scope of biotechnology innovations is only limited by our imaginations. Current applications of medical biotechnology include the rapid diagnosis and treatment of diseases (such as COVID-19), smart medical devices, and the creation of biomaterials for tissue and organ replacement. Agricultural biotechnologies are applied globally to plants and animals to improve yield, nutritional content, pest/disease resistance, and tolerance to extreme conditions. Emerging innovations also include the use of microorganisms to clean up oil spills, degrade plastics or extract metals; the industrial production of biologics; the industrial production of biologics; and production of cultured foods.

Set yourself up for a career in research or industry with advanced skills in biotechnology. At UQ, you will learn from Australia’s leading educators in biotechnology. Whether your interest is in biology, chemistry or engineering, you will build strong foundations in core scientific concepts and learn how to translate this knowledge into biotechnology products and services.

What you will study

Gain a fundamental understanding of key concepts in molecular genetics, bioinformatics, microbiology, immunology, biochemistry, cells and genes. Study chemistry, engineering, mathematics and other essential disciplines to better understand the biotechnology sector. You will gain core technical skills and learn commercial, regulatory and intellectual property concepts critical in the development of new biotechnology products. Combine your scientific skills with business knowledge to manage commercial outcomes from biotechnology research. Undertake extensive, hands-on laboratory experience and build your practical product development skills in specialist facilities.

Extended majors

- Agricultural Biotechnology
- Chemical and Nano Biotechnology
- Medical Biotechnology
- Molecular and Microbial Biotechnology
- Synthetic Biology and Industrial Biotechnology

Minors

- Bioinformatics
- Innovation and Entrepreneurship

Placements and practical experience

Choose a student industry placement or internship offering a project. You will solve a technical or operational problem and report on your findings. Find more information at scmb.uq.edu.au/industry-placements.

Careers

Your advanced knowledge and technical skills are relevant to a range of modern biotechnologies and in demand globally. You will find careers in many industrial, government and service sectors, including health, agriculture, production, law and commerce. Employment is also available in research organisations and startup ventures. This degree is an excellent pathway into postgraduate programs, including the Doctor of Medicine.

SAMPLE COURSES

- Bioinformatics 1: Introduction
- Entrepreneurial Growth Strategies
- Biostatistics and Experimental Design
- Plant Biology and Biotechnology
- Genomics and Evolution of Complex Traits
- Microbiology and Immunology
- Food Microbiology
- Issues in Biotechnology
- Medicinal and Biological Chemistry
- Chemical Biology
- Commercialisation of Biotechnology Products
- Biochemistry and Molecular Biology
- Genetics
- Mathematical Biology
- Experimental Pharmacology
- Drug Design and Development
- Plant Biology

For more information

future-students.uq.edu.au
science.uq.edu.au/planner
Bachelor of Environmental Management (Honours)

Discover how to critically assess the causes of environmental problems as you build your knowledge and skills in developing and managing solutions that address the many environmental challenges facing the world.

Why Environmental Management (Honours) at UQ?

Learn from UQ’s experts how to manage local to global environmental challenges. Gain the skills to address the sustainability issues that span natural through to urban environments. Build a foundation in environmental sciences with the added focus on social and economic disciplines, decision-making, problem-solving and policy analysis.

What you will study

In your first two years of study, develop your understanding of the natural sciences. Learn the techniques and approaches to integrate biophysical, social, cultural, economic, legal and managerial factors. During your third year, undertake a two-week field trip to investigate environmental management practices in a variety of contexts. Complete an industry placement to refine your understanding and skills in environmental management. In your final capstone year, undertake an in-depth research project or industry case study project in conjunction with an external client. You’ll apply your knowledge and skills to a real environmental issue.

During your studies you’ll learn scientific, social, economic and managerial strategies to improve environmental performance across all of society’s activities. You will identify ways to reduce or eliminate existing and potential environmental concerns.

Develop your multidisciplinary skills in environmental management, decision-making and problem-solving across urban, industrial and rural environments.

Learn strategies to tackle complex global issues like climate change, pollution and land clearing. You’ll discover how to critically assess the causes of environmental problems and develop better ways of managing and solving them.

Placements and practical experience

In your third year, complete a full semester of industry placement and practical experience. Network with practitioners in government and industry as you undertake a supervised project and complete your industry placement program. In your final year, conduct an in-depth research project or case study in conjunction with an external industry client.

Fieldwork

You’ll be able to undertake field trips to a diverse range of environments including regional Queensland and international locations. In your third year apply your knowledge and skills during a compulsory two-week field trip to observe environmental management in practice. Connect with potential employers and gain hands-on, practical skills valued highly by industry.

Careers

You’ll be prepared for employment in managerial, research, administrative and education roles. Employers include consultancies, mining companies, government departments, landcare and catchment management groups, and national and international non-government organisations.

Opportunities are available in a variety of sectors, including:
- national parks and wildlife conservation
- sustainability advising
- environmental assessment and compliance
- natural resource management
- policy development
- government and commercial consultancies in environmental planning and management
- mining and resources industry
- environmental tourism
- environmental management.

SAMPLE COURSES

- Carbon and Energy Management
- Cultural Heritage Management
- Sustainable Business Practice
- Environment and Society
- Environmental Impact Assessment
- Environmental Problem Solving
- Geographical Information Systems
- Climate Change and Environmental Management
- Conservation Policy

For more information
future-students.uq.edu.au
science.uq.edu.au/planner
Why Environmental Science at UQ?
Study at Australia’s most highly ranked university for research in environmental sciences. Expand your employment horizons with UQ’s local, national and global networks. Become a skilled environmental scientist and understand the impacts of climate change. You’ll learn to devise strategies to improve sustainability. Be equipped to manage ecosystems, preserve global biodiversity, and secure clean water and food resources. Help identify, develop and implement solutions to the many environmental challenges facing society from diminishing natural resources to degradation of environments.

What you will study
Study core and advanced science and regulatory topics to understand and manage the changing planet. Learn to describe, monitor and predict environmental processes. Examine the effects of human activity on physical and biological environments. Gain scientific knowledge and practical experience in ecology, environmental toxicology, omics, natural resources and data science. Participate in extensive, practical field-based experiences and learn strategies to minimise conflict between growth, development and the environment.

You can choose to pursue a research career by undertaking an additional research honours year, which could lead to postgraduate studies.

Placement and practical experience
Undertake extensive practical experience to develop your skills to deliver a range of environmental strategies, solutions and programs. You will participate in excursions, field-based activities and research opportunities in diverse subtropical and tropical ecosystems including World Heritage rainforests, the Great Barrier Reef, North Stradbroke Island (Minjerribah) and outback Australia.

Careers
Find employment in organisations undertaking environmental monitoring, impact assessment and management, policy development in government agencies, mining, environmental tourism, sustainability advice and natural resource management, teaching, or research.

For more information
future-students.uq.edu.au
science.uq.edu.au/planner

#17 in the world for environmental sciences
QS World University Rankings by Subject 2021

Bachelor of Environmental Science
Equip yourself with the knowledge and skills to understand the impacts of climate change and devise strategies to improve sustainability, manage ecosystems and preserve global biodiversity, clean water and food.
Why Equine Science at UQ?
Study the scientific and practical aspects of the fast-growing global equine industry. You will learn from UQ’s internationally regarded equine academic staff. Gain and apply the skills to improve outcomes for horses, riders and the equine industry.

Our equine unit at the Gatton campus includes breeding and horse-handling facilities, day yards and stabling amenities.

What you will study
In your first year you’ll build a strong understanding of animal biology, structure and function, as well as chemistry. In your second and third years, specialise in agricultural biochemistry, microbiology and its relationship to health and disease, horse behaviour, physiology, biomechanics, breeding, nutritional physiology and diet.

During the program, choose from a range of electives. These will broaden your knowledge in agribusiness, biosecurity, pasture and production courses. You will graduate with the scientific knowledge and practical skills required in the equine industry to improve the management, performance and welfare of all horses.

Dual program
Double your skills and your career opportunities with a dual degree. Study this program as a four-year dual degree with the Bachelor of Agribusiness. Combine practical business skills with your interest in equine science to open new employment options.

Placements and practical experience
During your studies you will work extensively with horses from the UQ Australian Stock Horse stud and UQ’s expert instructors and lecturers. Choose to participate in a three-week tour of equine and production animal facilities in Kentucky and Texas, USA. Further hands-on training is available by including a vocational program with your studies or with extended industry placements.

Get additional skills
Broaden your skills by concurrently enrolling in the Certificate III in Rural Operations or the Farm Ready Program through UQ Skills (details available at skills-training.uq.edu.au/programs).

Careers
As an equine specialist, you will establish a career in:
• equine enterprise management
• agribusiness firms servicing the equine industry
• animal nutrition and animal health companies
• bloodstock agencies
• breed societies, equestrian centres and riding schools
• equine industry organisations and educational institutions
• equine journalism
• horse studs
• preconditioning and training businesses
• racing and competition stables

Become part of the horse industry, which is worth over $1 billion annually to the Australian economy
Equestrian in Australia 2016, Equestrian Australia

Bachelor of Equine Science
Transform your passion for horses into a career. Focus on strategies to improve management, performance and welfare across the global equine industry.

<table>
<thead>
<tr>
<th>QTAC CODE</th>
<th>UQ CODE</th>
<th>MINIMUM SELECTION THRESHOLD 2022* ATAR / IB</th>
<th>LOWEST ATAR TO RECEIVE AN OFFER 2022*</th>
<th>DURATION</th>
<th>START SEMESTER</th>
<th>CAMPUS</th>
<th>HONOURS</th>
<th>DUAL PROGRAM AVAILABLE</th>
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<td>Gatton</td>
<td>Additional year of study</td>
<td>Agribusiness Qld Year 12 (or equivalent) General English subject (Units 3 &amp; 4, C); General Mathematics or Mathematical Methods (Units 3 &amp; 4, C)</td>
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</tbody>
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See ‘Program table explained’ on page 10

* Minimum (adjusted) selection threshold 2022 is the minimum score that was considered for an offer of a place to all applicants.
* Lowest ATAR to receive an offer refers to all recent secondary students who were offered a place for Semester 1, 2022. The lowest ATAR (Adjusted) refers to the ATAR plus any adjustment factors. The Lowest ATAR (Unadjusted) refers to the lowest ATAR excluding any adjustment factors.

For more information
future-students.uq.edu.au
science.uq.edu.au/planner

Samples of equine courses
Fundamentals of Equine Science
Equine Behaviour and Performance
Equine Breeding and Stud Management
Equine Exercise and Rehabilitation
Equine Nutrition and Health

Samples of other courses
Agricultural Microbiology and Gene Technology
Applied Animal Physiology
Animal Breeding and Genetics
Animal Health and Epidemiology
Animal Nutrition and Technology
Animal Reproduction
Pasture Science and Management
Sustainable Agricultural and Animal Systems

For more information
future-students.uq.edu.au
science.uq.edu.au/planner
Bachelor of Mathematics

Study advanced mathematics and gain the foundation for a rewarding career. Hone your skills in areas that are in demand in today’s data-driven economy.

Why Mathematics at UQ?

Develop your skills and knowledge with modelling and computer technology. Learn to solve problems in the physical and biological sciences, engineering, information technology, economics and business.

UQ’s mathematics research and industry networks will widen your career options and help you gain the training that will set you apart in the job market now and in the future. Choose from more than 60 mathematics and statistics courses – more than any other Queensland university.

What you will study

You will gain quantitative and analytical skills and a solid foundation in calculus, linear algebra, discrete mathematics, mathematical analysis, as well as modelling and mathematical programming. You will explore advanced problem-solving and logical thinking, communication systems, data handling and interpretation, and research. Deepen your knowledge of mathematical topics. Develop your conceptual ability and the sophisticated skills to apply mathematics across a variety of fields and industries. Gain the specialist expertise to stand out in the job market.

Specialise your studies with a major, or diversify your study with a minor in bioinformatics, computational science, computer science, physics or statistics. Or broaden your options in a dual program and graduate with two degrees with only one extra year of study. Choose from eight dual program combinations.

Sample Courses

- Applied Mathematics
- Mathematical Biology
- Scientific Computing
- Data Analytics and Operations Research
- Mathematical Statistics
- Operations Research and Mathematical Planning
- Mathematical Physics
- Algebraic Methods of Mathematical Physics
- Abstract Algebra and Number Theory
- Pure Mathematics
- Functional Analysis
- Abstract Algebra and Number Theory
- Statistics
- Statistical Modelling and Analysis
- Deep Learning

For more information

future-students.uq.edu.au
science.uq.edu.au/planner

 mattresses, which contribute an estimated $145 billion annually to the Australian economy

Australian Academy of Science, 2015
Why Occupational Health and Safety Science (Honours) at UQ?

This unique program combines studies of health, psychology, law, ethics and management with practical skills gained through placements, worksite visits and industry experience. You’ll learn scientific approaches to identifying, assessing and controlling chemical, physical and biological hazards. You’ll also learn about psychosocial health factors like stress, bullying, harassment and fatigue. With these key skills, you can monitor and modify work environments. You will be able to deliver education programs, analyse workplace data, and devise, evaluate and implement OHS management systems. You can also undertake OHS auditing and inspections, complete accident investigations and ensure compliance with legislation.

What you will study

You will study occupational hygiene, ergonomics, occupational health, safety science and risk management. Your first year of study will incorporate a strong basis in the foundation sciences as well as interaction with OHS professionals. Your second, third and fourth years will focus on core OHS areas of occupational health, ergonomics, safety science, occupational hygiene, and management, law, ethics and aspects of the environment.

Placements and practical experience

In your final year, you will complete a minimum of 480 hours of placement with one or two industry partners. This ensures that you are qualified and prepared to enter the workforce with diverse employment opportunities. Employers worldwide will recognise your skills and practical knowledge.

Careers

OHS professionals with sound scientific knowledge are in short supply and high demand. You will be ready to work in remote, rural or urban regions in government, consultancy or the private sector. You will work in sectors such as mining, agriculture, retail, hospitality, construction, transport, manufacturing, leisure, tourism and healthcare. OHS roles can offer mentoring by senior OHS staff, travel within Australia and overseas, and hands-on experience across the full range of OHS issues.

SAMPLE COURSES

- Integrated Anatomy and Physiology
- Introduction to Human Factors
- Occupational Health
- Occupational Health and Safety Law
- Occupational Health and Safety Management Systems
- Occupational Hygiene (I and II)
- Occupational Safety Science
- Physical Ergonomics
- Professional Practice and Emerging Issues in Occupational Health and Safety
- Research and Evaluation of Interventions in OHS
- Risk Management
- The Brain and Behavioural Systems
Why Science at UQ?

UQ’s Bachelor of Science (BSc) will give you the perfect balance of a defined sequence of study combined with flexible course options. Choose from 16 extended majors, 24 majors and 32 minors, which allow you to study an extensive range of science courses supported by innovative research.

Graduate with superior technical skills, and advanced independent thinking and communication skills. Use this range of courses to tailor the program to your individual interests and career goals.

Select course combinations from science and non-science disciplines in your first year, then in your second and third years focus on one or two specialist areas (majors or minors) to deepen your knowledge.

Alternatively, follow your curiosity outside the world of science. Combine your science expertise with a choice of 46 minors in languages, communication, design or economics.

Or improve your employment prospects and broaden your skills and knowledge by combining your degree with one of 13 other UQ programs, including law, education, arts, engineering or business management.

You’ll learn how to work confidently in a range of labs, including wet, dry and clinical labs, PC2 and PC3 labs, and animal diagnostic, operating and skills-training labs. Some majors offer fieldwork opportunities in locations such as the Great Barrier Reef, Fraser Island, national parks and outback Queensland. You’ll also have the chance to gain relevant, real-world experience through employability and work integrated learning such as internships, industry placements, research projects and international study.

UQ’s Bachelor of Science is a widely respected and globally recognised qualification. You’ll graduate with highly developed knowledge in your specialist area, superior technical abilities, and advanced independent thinking and communication skills.

Bachelor of Science with honours

As you near the end of your BSc, you may consider applying for an honours program. Honours is an additional year of study that is essentially a research apprenticeship for a young scientist. You will work under the guidance of a researcher on a specific project, and learn about the research environment, how to perform critical experiments and analyse data, and how to communicate and present your results.

UQ Bachelor of Science (Honours) graduates are in high demand by employers due to their ability to work independently.

An honours program can also open up pathways to further research and postgraduate study options.

For more information

future-students.uq.edu.au

science.uq.edu.au/planner

“The skills I attained through my mathematics major were crucial to securing my position at Bain, as it provided me with a strong analytical base.”

Anna Podolsky

Bachelor of Science (Mathematics) / Bachelor of Commerce (Finance)

Consultant, Bain & Company, Santiago, Chile

UQ offers you one of the widest choices of science disciplines in Australia
Double your opportunities

Improve your employment prospects and broaden your skills and knowledge by studying two programs at the same time.

As the world around you changes, new and fascinating career opportunities are created every day, and job roles increasingly combine multiple disciplines.

A dual program, also called a double degree, will equip you for this evolving job market. It gives you the flexibility to study two different disciplines in a much shorter time, by studying only the mandatory courses for each program with fewer or no electives.

BSc + another bachelor’s degree

Enrol in a dual program to complete two degrees in a shorter time than completing each program separately. You will have the flexibility to study two areas of interest at once, extend your knowledge and skills to broaden your career opportunities, and gain a competitive employment edge.

Applying for a dual program

Dual programs at UQ have unique program codes, and you must satisfy prerequisite and entry score requirements. Domestic applicants must apply through the normal QTAC application process. International applicants should visit future-students.uq.edu.au for application details.

Transferring to a dual program

Once you have started your BSc, you can transfer to a dual program by requesting a program change or applying through QTAC. Faculty of Science academic advisers can provide further information about the best options to suit your individual needs.

Study a Bachelor of Science in combination with:

• Arts
• Biomedical Science
• Business Management
• Commerce
• Computer Science
• Economics
• Education (Secondary)
• Engineering (Honours)
• Information Technology
• Journalism
• Laws (Honours)
• Mathematics
• Music (Honours).

Save time

Graduate with two bachelor’s degrees in as little as four years – a much shorter time than it would take to study both programs separately.

Strike a balance

Why compromise? Get study/life balance by combining programs that cover career aspirations and topics you’re passionate about. Dual program students appreciate the diversity offered in their two different programs.
Using the BSc as your pathway

The BSc is popular both as a pathway to Medicine, or as a way to improve your entry rank for programs such as Engineering, Veterinary Science or Pharmacy.

UQ’s BSc program is recognised as excellent preparation for studying Medicine and to advance into a medical career. Alternatively, it offers a pathway to improve your entry rank for programs such as Engineering, Veterinary Science or Pharmacy. By completing a year of full-time study in the BSc, you can use your level of achievement at university (your grade point average or GPA) as a way to meet the higher entry requirements of other programs. In some cases, you may gain credit into your new program for courses completed in the BSc. If you are planning to use the BSc to improve your entry rank, you should always seek advice on the GPA required to allow you to transfer into your chosen program, as entry into some programs – particularly in the health sciences and veterinary science – is very competitive. See your academic adviser early in your studies so they can help you keep all your options open and carefully plan your first year to make sure that, if you are unsuccessful in transferring to your chosen program, you can still continue in the BSc.

BSc majors and minors

How do I choose an area of specialisation in the BSc?

In the BSc, you will complete a specialisation – whether it is a major, an extended major or a major in combination with minors – in your chosen area of science. Tailor your BSc study plan according to your interests and explore the flexibility to incorporate up to one-third of your courses from other UQ programs.

What is the difference between a major and an extended major?

A major is an area of specialisation focusing on a single discipline within a program. For example, Chemistry is a major within the Bachelor of Science. An extended major is similar to a major but contains more courses and provides greater depth in that area of study.

Extended majors, majors and minors

- Earth Science
- Ecology and Conservation Biology
- Entomology
- Food Science and Nutrition
- Food Technology
- Genetics
- Geographical Science
- Geographical Information Science
- Human Anatomy
- Human Physiology
- Immunology
- Marine Biology
- Mathematics
- Microbiology
- Microbiology, Infection and Immunity
- Neuroscience
- Pharmacology
- Physics
- Plant Science
- Psychology
- Public Health
- Statistics
- Zoology

Bachelor of Science specialisation plans

Some possible combinations include:
- one major
- one major + one minor
- one major + two minors
- two majors
- one extended major
- one extended major + one minor.

Additional plan combinations may be available. To see how to structure your Bachelor of Science, visit planner.science.uq.edu.au/undergraduate/bachelor-science

Details of Bachelor of Science (BSc) extended majors, majors and minors are outlined on the following pages.
What you will study
Learn how advanced mathematical methods are used to develop creative and practical solutions in a variety of real-world contexts. Build your foundational knowledge in applied mathematical analysis, mathematical modelling and the numerical methods used in computational science. Apply your expertise to current scenarios in optimal planning as well as to the modelling of natural resources, biological science and engineering applications. Choose from over 60 courses in mathematics and statistics, and gain valuable, practical experience through industry placements and work integrated learning opportunities, where you can develop your technical skills and build your employment networks.

Careers
Demand for quantitatively trained graduates is high. Your excellent problem-solving abilities open opportunities in sectors such as finance, economics, mathematical research, statistics, actuarial studies, information technology, data science and teaching.

Be employed as a quantitative researcher, data engineer, financial analyst, data scientist or algorithm specialist, or as a mathematical modeller, for instance, in aquaculture, agriculture, environmental modelling or epidemiology, and as a simulation specialist in engineering, or meteorology.

SAMPLE COURSES
- Applied Mathematical Analysis
- Methods and Models of Applied Mathematics
- Natural Resource Mathematics
- Financial Mathematics
- Mathematical Biology
- Scientific Computing: Advanced Techniques and Applications
- Operations Research and Mathematical Planning
- Partial Differential Equations

What you will study
Archaeology uses many scientific approaches to study globally significant issues. You will examine key developments in human evolution, and the different ways humans have interacted with, and survived within, their changing environment. Develop and apply your knowledge through a combination of theory-based and practical learning. Engage in practical and field-based courses, from surveying and excavation to post-excavation analysis. Volunteer in lab and field-based research projects. By completing these projects, you'll gain experience in surveying, excavation and scientific analysis. UQ is recognised as a leader in this discipline and meets the national benchmarks for archaeology tertiary education in Australia. Add to your core archaeology skills with studies in geography, earth science, biology, chemistry or psychology.

Careers
You will find employment in the growing sectors of cultural heritage management, forensic archaeology and climate change research. Roles are available in commercial archaeology consulting, university teaching and research, government agencies, museums, heritage tourism, forensic science and practice. Engage in practical learning. Engage in practical projects. By completing these projects, you'll gain experience in surveying, excavation and post-excavation analysis.

SAMPLE COURSES
- Science in Archaeology
- Bioarchaeology: Human remains and ancient disease
- Plants and Archaeology: Food, fuel, foraging and farming in the human past
- Animals and Archaeology: Analytical approaches to understanding past human-animal relationships
- Sedimentology and Ancient Environments
- Field Archaeology
- People, Fire and Environment
- Managing Cultural Heritage: Ethics, History and Practice

What you will study
Deepen your understanding of the universe and our place in it. Led by internationally recognised astrophysics researchers, explore theories behind the creation of the universe. You will explore the origin and evolution of galaxies, stars and planets. Examine the fundamental laws of physics behind how matter and radiation are created, galaxies and planetary systems form and the environments for life develop. Study the physical processes behind the structure of the Milky Way, star formation, stellar atmospheres, gravitational waves and the cosmic microwave background. Access specialised computing facilities and astrophysics tools and learn to build computer simulations of the universe. You’ll investigate some of the ‘big questions’ in modern astrophysics and cosmology, including dark energy and dark matter, the physics of the very early universe, black holes and galaxy formation.

A minor in astrophysics alongside a major in physics will also prepare you for a research career in astrophysics or other scientific fields.

Careers
Demand for qualified astrophysicists is increasing. A background in physics can lead to highly paid careers in banking or financial analysis, management consulting, data science, medical physics, mining, or the environment. Companies and scientific organisations are collaborating to design and deliver technologies for space exploration and satellite communications. The Australian Civil Space Strategy 2019–2028 will create 20,000 space industry roles by 2030. In addition to research roles, you’ll have the opportunity to apply your knowledge in industries such as aerospace engineering, data analytics and machine learning.

SAMPLE COURSES
- Space Science and Stellar Astrophysics
- Extragalactic Astrophysics and Cosmology
- Mechanics and Thermal Physics
- Electromagnetism and Modern Physics
“I’m a bioinformatician within a development biology and stem cell lab that generates a large amount of genetics data in relation to heart development and function. My role is to analyse this data, determine if it contains any interesting patterns, and what biological significance these patterns may have.

In my current job I get to work on some pretty interesting and varied research projects. Particularly in genetics at the moment, the technological developments are allowing for huge amounts of new and exciting data to be generated, and bioinformatics plays a critical role in the development of methods for analysing such data.”

Ralph Patrick
Bachelor of Science (Honours), PhD, Bioinformatics
Post-doctoral scientist, Victor Chang Cardiac Research Institute
BIOPHYSICS

What you will study
Biophysics is an exciting discipline that sits at the crossroads of biology, physics and chemistry. Study biophysics and you will find yourself instantly at the forefront of new biological knowledge that is revolutionising the way we cure disease, develop new technologies or create new renewable energy sources to power our world. You will learn how core principles from physics and chemistry ultimately govern the way that cells, molecules and atoms are combined to produce the complex biological systems that represent life on Earth as we know it. Computer and mathematical modelling techniques can be used to analyse and interpret how physical properties of molecules and cells determine the way they function. You’ll learn from internationally recognised UQ researchers how to use recent, Nobel Prize-winning technologies, like cryo-electron microscopy and optical tweezers, and see how these can provide new insights into the basis of life at every level.

Careers
Biophysics produces research-ready graduates. It provides an established path to further postgraduate research and, ultimately, for a career as an industry or academic research scientist. Biophysics also equips you with the skills you need to find employment in the biotechnology, biomanufacturing and bioprocess engineering industries. You may also find employment in the design and manufacture of medical devices and scientific equipment, or in scientific marketing and sales roles.

SAMPLE COURSES
- Foundations of Biophysics
- Frontiers in Biophysics
- Electromagnetism and Modern Physics
- Biochemistry and Molecular Biology
- Genes, Cells and Evolution
- Chemistry 1

BIOMEDICAL SCIENCE

What you will study
Biomedical scientists examine the complex relationship between mind, body and disease to treat, cure and prevent disease. They provide the foundation of modern healthcare in partnership with other healthcare professionals. Together they develop techniques to diagnose disease, evaluate the effectiveness of treatment, and research the causes and cures of disease. Your first-year courses provide a broad foundation in biology, chemistry and mathematics. You will expand your knowledge of anatomy, developmental biology, human genetics, immunology and infectious diseases, neuroscience, pharmacology and physiology. Apply this knowledge in practical sessions during your program and work alongside researchers and healthcare professionals to conduct medical research and test the effectiveness of treatments. Your UQ lecturers are at the forefront of some of the latest biomedical breakthroughs.

Careers
With in-depth knowledge and skills in modern biosciences you will be at the leading edge of modern medicine. A major in Biomedical Science is an established pathway for graduate entry to the Doctor of Medicine and other health programs. You will find a career in hospital, diagnostic or research laboratories; biotechnology or pharmaceutical companies; research institutes; government departments; not-for-profit organisations; or universities.

SAMPLE COURSES
- Molecular Cell Biology I
- Integrative Cell and Tissue Biology
- Biostatistics and Experimental Design
- Systems Physiology
- Human Anatomy
- Principles of Pharmacology
- Functional Neuroanatomy
- Human Biomedical Anatomy
- Functional Musculoskeletal Anatomy
- Integrative Physiology and Pathophysiology

“If you are looking to study in the field of biomedical science then UQ is certainly the place for you! You’ll find a wealth of high-calibre professionals at UQ – both within biomedical science and beyond. I really valued the opportunity to do a Study Abroad program, which was a life-changing experience that has allowed me to grow as a person academically, professionally and personally. The use of the Gross Anatomy Facility while studying neuroanatomy also helped me both academically and professionally, and in my incredible honours research year I was able to complete my honours year alongside an occupational therapist specialising in chronic pain.”

Georgia Richards
Bachelor of Science (Biomedical Science)
Bachelor of Science (Honours) (Pharmacology)
Medical Researcher, Veteran Mental Health Initiative, Gallipoli Medical Research Foundation
**Cell Biology**

What you will study

Cell biologists study how molecules function within cells and how the numerous types of cells come together to build organisms. They define the cellular processes that underpin normal physiology and reveal how these processes are organised within cells. As disease changes the normal function of cells, cell biologists transform the way we understand disease and the development of new treatments. Throughout this major, you will deepen your understanding of how cellular, genetic and molecular processes affect everyday life. You will apply your knowledge in practical laboratory sessions and gain valuable technical skills including advanced microscopy techniques. Cell biology bridges biological and biomedical sciences so studying it will prepare you for progression into a research-based honours degree and for other postgraduate studies.

Careers

Studying cell biology will equip you for a range of career opportunities within research, medicine, biotechnology and medical industries, education, agriculture or government agencies. With a major in Cell Biology, you can expect to find roles as a research assistant, laboratory scientist, clinical researcher, cell culture specialist or biotechnologist.

**Chemical Biology**

What you will study

Chemical biology underpins the drug discovery process and helps researchers resolve questions relating to disease biology. You will gain an in-depth knowledge of how proteins are able to catalyse the chemical reactions that allow cells to function. Throughout this minor, you will apply the principles of inorganic and organic chemistry to investigate chemical reactions in biological systems at the molecular level and explore the chemical and imaging techniques used to analyse cellular processes and biomolecular interactions. You will learn how to simulate biological systems using the latest computational methods from leading scientists working across the medical, animal and plant sciences. There is opportunity to put your theory into practice during practical laboratory sessions and gain valuable technical skills. Combine Chemical Biology with majors in Biochemistry and Molecular Biology, Genetics and Biomedical Science to prepare for further study in medicine or to progress into a research-based honours degree.

Careers

Your multidisciplinary skills equip you to find a career in the chemical, agricultural, food processing and biotechnology industries. You can find work in pharmaceutical and medical research organisations, biotechnology or commercial research and development (R&D) companies. You may be employed in roles such as a chemist, quality assurance manager, biomedical scientist, laboratory technician, toxicologist or pathologist.

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**SAMPLE COURSES**

- Genes, Cells and Evolution
- Microbiology and Immunity
- Cells to Organisms
- Molecular Cell Biology I and II
- Molecular and Cellular Physiology
- Integrative Cell and Tissue Biology

**SAMPLE COURSES**

- Chemistry
- Chemical Biology
- Medicinal Chemistry and Chemical Biology
- Determination of Molecular Structure

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“I enjoy using science to identify new biological mechanisms and develop new technologies for sun care products that are proven to enhance our skin health. During my science degree I had the opportunity to work alongside accomplished researchers and work on active research projects. My studies at UQ paved the way for roles as a chemist developing new skin care and hair care products in Australia and as a scientist at Shiseido, one of the world’s largest cosmetic companies. After almost three years with Shiseido, I am now the Asia Pacific Market Development Manager for Lubrizol Corporation in Tokyo.”

**Bianca McCarthy**

Bachelor of Science (Chemistry and Biochemistry), Bachelor of Science (Honours) (Chemistry)

Asia Pacific Market Development Manager, Lubrizol Corporation
**CHEMISTRY**

**What you will study**

An understanding of chemistry provides a foundation for fields such as education, technology and the environment. Learn the fundamentals of general, physical, organic and inorganic chemistry and specialise in areas such as:

- synthetic chemistry, where you explore the synthesis of complex molecules used in drugs, explosives, paints and cosmetics
- computational chemistry, involving the use of advanced theoretical calculations and high-power supercomputers to understand and predict the structures and reactivities of molecules and short-lived intermediate species
- nanoscience, to explore the processes of self-assembly enabling the controlled arrangement of atoms and molecules and the chemistry at interfaces
- medicinal chemistry, to explore molecular design and the modification of compound properties to enhance pharmaceutical applications as evaluated through bioassays.

All of these areas involve access to advanced instrumental techniques and the development of skills that employers value.

**Careers**

You will find employment in roles as diverse as chemist, materials scientist, environmental scientist, biochemist, toxicologist or forensic scientist. Other jobs include scientific journalist, quality assurance manager, pharmaceutical sales representative, patent examiner, teacher, and roles in marketing and conservation.

This major is accredited by the Royal Australian Chemical Institute.

**SAMPLE COURSES**

- Experimental Chemistry
- Organic Chemistry
- Inorganic Chemistry
- Physical Chemistry
- Determination of Molecular Structure
- Nanomaterials and Self-Assembled Systems

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**COASTAL AND OCEAN SCIENCE**

**What you will study**

You will examine oceans and coasts using the biological, chemical and physical sciences to solve the complex challenges facing our marine ecosystems. Dive into the scientific study of oceanography, coastal processes, spatial science and remote sensing (using satellites and drones) and marine geosciences. Learn to apply a wide range of evidence-based environmental and conservation strategies. Your lecturers are among Australia’s leading marine researchers.

You’ll gain extensive fieldwork experience at UQ’s Heron Island Research Station on the southern Great Barrier Reef and UQ’s Moreton Bay Research Station on North Stradbroke Island (Minjerribah). Enhance your employability by adding a minor. Increase your skills and knowledge in a complementary field by choosing Earth Science or a range of other sciences.

**Careers**

In Australia, marine-based industries are worth more than $68 billion annually*. Demand for highly skilled coastal and marine scientists is on the rise. You will find a diverse variety of roles in engineering and consulting, fishing and aquaculture, food technology, marine parks, ecotourism, marine resource development, marine science research institutes, museums, oil and gas, pharmacology, teaching, universities and wildlife conservation.

* The AIMS Index of Marine Industry, December 2018

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“In my role I review internal policies and procedures, research best practice methodologies and engage with internal and external stakeholders in order to refine processes and policies that will accelerate carbon abatement for Australia – something that I am personally invested in.

UQ is a place where you can discover and embrace things. The research experiences led by my world-class teachers meant that I was equipped with the most recent content knowledge and this enabled me to become a confident idea creator and synthesiser. They nurtured my passion but also challenged me to develop in-depth research, critical thinking and problem-solving skills.”

**Joseph Lovie Toon**

Bachelor of Advanced Science (Honours) (Chemistry)

Graduate Program, Australian Government Clean Energy Regulator

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**SAMPLE COURSES**

- Marine and Coastal Environmental Protection
- Applied Marine Science
- Marine Geoscience
- Living Oceans
- Planet Earth : The Big Picture
- Aquatic Environments
COMPUTATIONAL SCIENCE

What you will study
Skills in computational science are essential for all scientific disciplines. Apply them in any career requiring computational techniques for problem-solving, forecasting, data analysis or data visualisation. Use your technical skills and mathematical knowledge to translate complex data into meaningful insights to shape our future.

Employ fundamental principles from computer science, mathematics and statistics and solve scientific problems across any specialist field. Apply computational problem-solving strategies to design algorithms for collecting, processing and analysing vast amounts of data. Use your programming skills to construct large-scale mathematical models and simulations to analyse and interpret real-world data. Learn to create a range of data visualisations and graphics to communicate your findings to scientific and non-scientific audiences.

Careers
Your specialist knowledge and skills provide a competitive employment advantage in industry. Work in roles such as theorist, researcher and/or inventor. Apply your theoretical expertise and innovation to complex problems and the creation of new technologies. Find employment in genome research; molecular and microbial sciences; bioinformatics; scientific research and analysis in biology, mathematics, computer science; visualisation and computational methods; or in the business, finance, engineering and government sectors, which rely on the construction and maintenance of large-scale simulations and models.

SAMPLE COURSES
- Numerical Methods in Computational Science
- Bioinformatics I: Introduction
- Algorithms and Data Structures
- Visualisation, Computer Graphics and Data Analysis
- High-Performance Computing
- Machine Learning
- Scientific Computing: Advanced Techniques and Applications

COMPUTER SCIENCE

What you will study
Programming skills are essential for information management, data analysis, predictive modelling, cyber security, artificial intelligence, gaming, e-commerce and communications. You will gain specialist technical skills in programming to create or optimise programs, systems or applications used across multiple devices. In your first year, study foundational courses in programming/software engineering, information systems and discrete mathematics. In second and third years you will have more specialised courses in computer systems, human-computer interaction, algorithms and data structures, artificial intelligence, computer networks and information security. Undertake major individual and team projects with exposure to current problems from industry and other areas of science.

Careers
Computer programmers are in high demand. You will work in health and scientific industries as an expert in analysing and simulating massive data; as a software programmer and online network specialist working in music, computer games, media and retail industries; as an information security specialist in finance and commerce sectors; or as a programming and computer systems expert in government sectors. Other roles are available as a web, gaming or app developer, software engineer, information security specialist, data analyst or computer systems expert.

SAMPLE COURSES
- Algorithms and Data Structures
- Artificial Intelligence
- Human-Computer Interaction
- Information Security
- Operating Systems Architecture
- Relational Database Systems
- Social and Mobile Computing
- Visualisation, Computer Graphics and Data Analysis

DEVELOPMENTAL BIOLOGY

What you will study
Be at the forefront of advances in modern medicine. Study developmental biology and learn how organisms form from a single cell. Understanding human and animal development is fundamental to medicine and biomedicine. State-of-the-art therapeutic strategies in medicine build on innovative discoveries from developmental biology. They use stem cells, cell engineering, artificial organs, 3D printing and tissue regeneration. You will develop and use your specialist knowledge to investigate genetic, molecular and cellular mechanisms of the human body to detect or treat diseases and birth defects, and for applications in regenerative medicine. Learn from leading researchers working in the laboratories where current medical breakthroughs are taking place. Apply your theoretical knowledge and build your technical skills through practical laboratory sessions and small group tutorials. You will have the specialist knowledge and skills to progress into further study in medicine or a research-based honours program.

Careers
You will find roles within sectors such as health, science, research or academia as a laboratory scientist, researcher, pathologist, research assistant, biomedical scientist, biomedical engineer, biomedicine researcher, or biology teacher or educator.

SAMPLE COURSES
- Genes, Cells and Evolution
- Molecular Cell Biology
- Developmental Neurobiology
- Stem Cells, Development and Developmental Disorders
- Stem Cells and Regenerative Medicine
EARTH SCIENCE

What you will study
Earth Science applies scientific principles to investigate Earth’s 4.6 billion year history. The Earth is the only planet in the solar system to have either plate tectonics or liquid water. You will learn how these attributes cause continents to move and volcanoes to erupt. You will learn about the development of life on Earth and how plate tectonics, biology, and chemistry interact to control Earth’s surface environment. You will develop your knowledge through laboratory practicals and fieldwork. Individual courses will teach you how to read Earth’s history from different parts of the rock record. The skills learnt are essential to solving societal challenges such as environmental change, reduction of natural hazards and securing resources for a sustainable and prosperous future.

Careers
Earth scientists have strong long-term employment prospects in the resource, energy, environmental and engineering sectors. Employers include national and multinational corporations, international contractors, government and research agencies. Roles include geoscientist, hydrologist, geophysicist, mine geologist, exploration geologist, natural resource scientist, project manager or environmental planner. Or progress into a research-based honours degree and contribute to new scientific knowledge.

SAMPLE COURSES
- Planet Earth: The Big Picture
- Fundamentals of Geographic Information and Technologies
- Paleobiology
- Ore Deposits and Exploration Geology
- Earth Materials
- Field Geology
- Marine Geoscience
- Hydrogeology
- Structural Geology

ECOLOGY AND CONSERVATION BIOLOGY

What you will study
Ecology and conservation biology are vital in solving the world’s environmental challenges. Acquire the latest knowledge, scientific techniques and technologies to tackle global issues such as climate change and the sustainable use of resources. Broaden your understanding of how organisms interact with each other and their environments. Choose to specialise in conservation biology, marine ecology, terrestrial ecology or evolutionary ecology. Your lecturers are internationally renowned ecologists and conservation experts. Share their expertise and current research during your lectures, seminars, fieldwork and laboratory sessions. You’ll gain first-hand practical experience in solving ecological problems in a range of environments. During your studies you’ll visit rainforest, outback and Great Barrier Reef and island ecosystems. Contribute to solutions for biodiversity loss, climate change, diminishing natural resources and the environmental impacts of human activity.

Careers
Employment demand is strong for ecologists, wildlife ecologists, ecological assessment officers, ecology consultants, environmental advisers, environmental planners, fisheries managers, marine and national park managers, and sustainability consultants and advisers. Roles are available in government, private industry and environmental impact assessment consultancies.

SAMPLE COURSES
- Biostatistics and Experimental Design
- Ecology Field Studies
- Urban Ecology
- Functional Ecology
- Conservation
- Plant Identification and Vegetation Classification
- Climate Change Biology
- Insect Identification and Taxonomy
- Analysis and Communication of Biological Data

ENTOMOLOGY

What you will study
Discover the essential role that insects play in maintaining global plant, animal and human health. They are vital indicators of environmental change. With an increasing world population, sustainable food production is now an urgent problem. Insects could become a major food source in the future. You’ll examine how insects interact with and adapt to their environments. Understand their vital role within ecosystems. Learn how insects contribute to crop protection, pest and environmental management, conservation and biosecurity across a range of industry sectors. Explore pest management, insect physiology, insect identification and taxonomy. Learn from lecturers who are also globally recognised researchers. Apply your knowledge to understand the impacts of climate change and enhance the quality of life for humans, animals and plants. Contribute to conservation solutions or pest management strategies to protect crops and livestock. Or kickstart your career in research by progressing into a research-based honours degree.

Careers
As an entomologist you will be in demand by state and federal government agencies. You’ll undertake a range of agricultural, biological or genetic research. Find employment as a consultant in the agricultural, environmental, public health, urban or food processing sectors. You will work in roles in the pharmaceutical, natural resources management, biosecurity and conservation industries.

SAMPLE COURSES
- Insect Science
- Arthropods and Human Health
- Biodiversity and Systematics
- Insect Identification and Taxonomy
- Insect Structure, Function and Physiology
What you will study

Take a scientific approach to the study of food and its consumption. The study of nutrition and food is integral to the health and longevity of society. You will study all aspects of the food system from ‘farm to fork’, including food processing principles, shelf-life studies and sensory evaluation of products with consumer panels, and the microbiological and chemical testing of products for consumer safety. You will examine the psychological, sociological and cultural factors influencing food choice and their effect on consumer health. Learn the physical and chemical composition of food to understand how food behaves under different processing and storage conditions, and how to improve the safety and quality of food and the range of products available. You will apply your knowledge during practical laboratory sessions and industry work placements.

Careers

As a food and nutrition scientist you will be in demand to provide safe and nutritious food to the increasing global population and work in community nutrition and education, food policy, research and development, food safety, food processing, food quality assurance, or technical sales and marketing. To gain accreditation as a dietitian, complete your Bachelor of Science (Food Science and Nutrition). You will be in demand from Australia’s largest manufacturing industry. Find employment in food technology, processing and product development, food microbiology, food standards and policy, production management, quality assurance, food safety, research and product development or technical sales and marketing.

SAMPLE COURSES

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FOOD SCIENCE AND NUTRITION

What you will study

Follow your passion for food to create a rewarding career in one of Australia’s largest industries. Food scientists ensure the quality, safety and nutritive value in the processing and storage of food. Discover the chemical, biochemical, technology/engineering, microbiological and biometric science supporting the food industry. Learn the technical aspects of foods from ‘farm to fork’. You will study the development of new food products and the industrial processes used to manufacture food. Discover how to package materials for optimal storage and transport. You will conduct shelf-life studies and undertake sensory evaluation of products. Apply microbiological and chemical methodologies to test food products for consumer safety. Understand the processes involved in developing, producing and evaluating new foods. Examine the causes and prevention of foodborne illnesses and loss of quality. Apply your knowledge and build your industry connections during your work placements at leading food manufacturing organisations.

Careers

You will be in demand from Australia’s largest manufacturing industry. Find employment in food technology, processing and product development, food microbiology, food standards and policy, production management, quality assurance, food safety, research and product development or technical sales and marketing.

SAMPLE COURSES

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FOOD TECHNOLOGY

“I enjoy learning where food comes from, what elements influence the quality, safety and security of what we eat, and how that impacts the larger population. I monitor developments in the global policy landscape, in relation to food and sustainable packaging, and strategise how crucial issues can be effectively addressed. My role gives me a holistic view of the food industry and allows me to better understand how and why policies are developed and implemented. I engage with manufacturers who produce pre-packaged foods, collaborate with academics leading research and innovation, and work in partnership with governments to deliver fair solutions and sustainable results.”

Samantha Wong

Bachelor of Science (Food Science and Nutrition) (Honours)

Regional Policy Officer, Food Industry Asia
GENETICS

What you will study
Genetics is continually transforming modern biology. Using sequenced genomes, computational analysis and molecular analytic tools, it allows unprecedented discoveries. Learn to apply genetic principles to diagnose, treat, prevent and cure illnesses in animals, plants and humans. You will explore strategies to provide security for agriculture and food production. Study the diversity of life and develop an in-depth understanding of the structure and expression of genes. Appreciate the genetic basis of traits and the complex interactions between genes. Gain skills to aid the public understanding of the nature of genetic disease. Explore the genetic diversity in endangered species populations. Learn to develop breeding programs and conservation efforts to prevent their extinction. Use genetic engineering techniques to generate new products to improve lives. Choose to study Genetics as an extended major or combine it with another scientific discipline.

Careers
Career choices for geneticists are some of the broadest available in the biological sciences. They range from ecology and genome research to medicine and agriculture including epidemiology and quarantine. Work in roles such as a molecular geneticist, a genetic counsellor in hospitals, as a conservation geneticist or a biotechnologist. Many BSc graduates also undertake research-based studies in honours, master's, Doctor of Philosophy (PhD) and MD-PhD programs.

SAMPLE COURSES
- Genes, Cells and Evolution
- Genetics
- Genomics and Evolution of Complex Traits
- Human Molecular Genetics in Health and Disease
- Laboratory Skills in Genetic Research
- Model Organism Genetics
- Molecular Microbiology

GEOGRAPHICAL SCIENCE

What you will study
Focus on applied scientific approaches to analyse, measure and interpret geographical processes and phenomena. Examine the patterns and processes in the atmosphere, hydrosphere, biosphere and cryosphere. Discover the effects of human activities on these systems. You will investigate human interaction with the cultural and natural environments. Explore how physical geography informs the sustainable use of the Earth’s natural systems. Geographic information systems (GIS) equips you to model, manage, and analyse geo-referenced information and datasets. Specialise in earth systems science, climatology, biogeography and landscape ecology. Study hydrology and geomorphology, marine and coastal systems, society and the environment, urban and economic geography, demography and GIS. Field studies in the Asia-Pacific region provide a comparative study of contemporary society, demography, and environmental and planning issues facing the region.

Careers
You will be in high demand for roles in natural resource management, national parks and wildlife conservation, ecotourism, planning the delivery of human services, environmental consultancy, environmental monitoring and pollution control, teaching and research, meteorology and in GIS analytics. An optional honours year undertaking a research project will enhance your project management, research and communication skills, and prepare you for higher level entry to your chosen career.

SAMPLE COURSES
- Introduction to Earth Observation Sciences (EDS)
- Geography of Australia
- Environment and Society
- Climatology and Hydrology
- Applied Demography
- Biogeography and Geomorphology
- Global Change: Problems and Prospects

“I am a Project Officer in the Queensland Hydrogen Delivery Unit in the Queensland Department of Energy and Public Works. My role is to research, analyse, design, implement and review policies for government. During my studies I conducted fieldwork and research in Queensland and overseas on climate change adaptation. Another one of my rotations was with the Department of Natural Resources, Mines and Energy where I researched and analysed international renewable energy policy and energy market trends to develop new departmental policy and inform cabinet decision-making. My UQ degree taught me vital skills and knowledge not only for a career in science, but for any field I choose to pursue.”

Ben Priebbenow
Bachelor of Science (Geographical Sciences)
Project Officer – Queensland Government
GEOGRAPHICAL INFORMATION SCIENCE

What you will study
Geographical information science is an applied spatial science at the intersection of information technology and geography. It develops and integrates tools and approaches to collect, analyse and understand geographical patterns and processes. Geographical information science matches information to a location to reveal behaviours and patterns. This enables better decision-making in sectors such as agriculture, mining, town planning and public health. Explore the study of spatial patterns of physical and human phenomena at local, national and global scales. Blend theory with practical industry experience and learn to apply geographical information science software and remote sensing technologies for data analysis, data modelling and developing map visualisations to solve key environmental, societal or planning issues. Broaden your critical thinking, project implementation, management and professional spatial skills.

Careers
Skills in geographical information science apply to urban planning, built environment consulting, environment and resource management, and minerals exploration globally. Find roles as a geospatial application and software developer, environmental scientist, cartographer, a web map publisher, biodiversity project officer, wildlife management officer and park ranger. Be employed in landscape modelling, national parks and wildlife conservation, ecotourism, planning human services delivery, environmental consultancy, environmental monitoring and pollution control, meteorology, teaching and research.

SAMPLE COURSES
- Geographical Information Systems
- Environment and Society
- Introduction to Earth Observation Sciences
- Environmental Systems
- Earth Observation: Image Processing and Modelling
- Spatial Analysis and Modelling

HUMAN ANATOMY

What you will study
A holistic understanding of how the human body works is fundamental in detecting disease and developing new or improved treatments. Investigate the structure of the human body at the gross, systematic and microscopic scale. Through hands-on practicals and class lectures, build your knowledge of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems. Learn to collect and evaluate data on human variation, measurement uncertainty, effect size and statistical significance. Gain practical skills in dissection and examine prospected cadavers to deepen your knowledge of gross human anatomy. Apply your skills in anatomical data analysis to investigate how these systems contribute to human growth and development and how they are linked to diseases and disorders. Deepen your knowledge of the complex relationship between the body, mind and disease with related courses in human physiology, neuroscience or pharmacology.

Careers
Knowledge in human anatomy underpins a wide range of career opportunities in the health sector, including those with a biomedical science focus. You will find roles as a laboratory scientist, research scientist, pathologist, research assistant, biomedical engineer, biomedical technician or as a biology teacher or educator. Use your studies to transition into allied health fields or as a pathway to medicine. Alternatively, kickstart your career in research by progressing into a research-based honours program.

SAMPLE COURSES
- Cells to Organisms
- Human Anatomy
- Functional Neuroanatomy
- Human Biomedical Anatomy
- Functional Musculoskeletal Anatomy

HUMAN PHYSIOLOGY

What you will study
An in-depth knowledge of human physiology is essential to understand human health and disease. Examine how cell, tissue and organ systems function within the human body. Learn the vital roles that our brain, nerves and hormones play in controlling important cardiovascular, respiratory, reproductive and metabolic processes important to our survival. Develop your understanding of the nervous system, neuromuscular physiology, gastrointestinal tract, special senses and sensory system. You’ll apply scientific methods to investigate how the failure of these systems can result in disease or disorders. Study physiological functions at a molecular and cellular level to examine how the body’s core processes are altered in diseased states. Develop a holistic understanding of the complex links between the body, mind and disease, by combining your minor with related courses in human anatomy, neuroscience, pharmacology or food science and nutrition. An in-depth knowledge of human physiology is essential if you are considering further study in the fields of medicine, biomedical science or allied health.

Careers
You will find potential roles including science writer, biomedical researcher, biomedical scientist, biochemist, nutritionist, food technologist, medical researcher, or policy advisor in a wide range of sectors. Use your studies to transition into allied health fields or as a pathway to medicine. Alternatively, kickstart your career in research by progressing into a research-based honours program.

SAMPLE COURSES
- Cells to Organisms
- Integrative Cell and Tissue Biology
- Systems Physiology
- Integrative Physiology and Pathophysiology
- Integrated Endocrinology
What you will study
The immune system protects us against infectious disease, but is also central in most human disease states. Explore the complex mechanisms surrounding immunity and the human body’s response to disease. Understand the mechanisms of allergy, immunodeficiency and autoimmune diseases. Investigate the connection between a healthy microbiome and a well-balanced immune system, and theories on how modern Western lifestyles are disrupting this and causing disease. Study the exciting new technologies that harness the immune system to fight cancer. You will learn the techniques used in developing vaccines and immunotherapies from researchers currently driving the search for vaccines globally. Become proficient in the practical applications in biotechnology, microbiology, genetics, cell and molecular biology. You can gain practical skills and research experience in laboratories during your studies. A minor in Immunology prepares you for further study in medicine or a research-based honours program.

Careers
You will be equipped for a range of career opportunities in hospitals, research institutions, biotechnology firms, pharmaceutical companies or universities. These may be in roles such as a pathologist, immunologist, medical scientist, research scientist or bioprocess scientist. You may also find positions in vaccine development and clinical trials management.

SAMPLE COURSES
- Immunology
- Microbiology and Immunology
- Genes, Cells and Evolution
- Cells to Organisms
- Biochemistry and Molecular Biology
- Molecular Cell Biology I
- Chemistry I

IMMUNOLOGY

What you will study
Marine biologists play an essential role in investigating, understanding and managing marine biodiversity and ecosystems. Learn to devise solutions for oceans at all scales, from microbes to ecosystems, through your understanding of the world’s oceans and their inhabitants. Your studies will emphasise hands-on experience. Learn with international leaders in the largest and most diverse marine group in Australia. Access some of the best equipped marine facilities in the country. You will undertake field studies at UQ’s two marine stations. Visit Heron Island Research Station on the southern Great Barrier Reef and access the Moreton Bay Research Station on North Stradbroke Island (Minjerribah). Your field trips provide plenty of hands-on activities to build your practical skills. Your specialist scientific knowledge provides opportunities in rapidly growing employment fields. You will work to protect biodiversity, restore habitats, adapt to environmental change and create sustainable bio-economic systems and solutions for aquatic foods and products. You will drive social change and promote healthy environments, communities and livelihoods.

Careers
You can work in expanding industries such as fisheries and aquaculture, wildlife conservation, habitat conservation, marine park management, environmental assessment and consultancies, marine bioresources, marine biotechnology, marine research and ecotourism.

SAMPLE COURSES
- Living Oceans
- Fish, Fisheries and Aquaculture
- Coral Reef Ecology and Conservation
- Tropical Marine Ecology
- Ecology and Evolution of Marine Invertebrates
- Applied Marine Science
- Biodiversity and Systematics
- Ecology
- Zoology
- Animal Behaviour
- Analysis and Communication of Biological Data

MARINE BIOLOGY

“My role in the Department of Agriculture and Fisheries as a fisheries resource officer is to write and publish ecological risk assessments. This involves extensive research about harvested and targeted species as well as non-target species like bycatch and protected species.

I chose to study at UQ because it has one of Australia’s best marine biology programs and I was able to access facilities at Heron Island, Moreton Bay and also undertake a month-long internship on a cage diving boat in South Africa with great white sharks.”

Lisa Walton
Bachelor of Marine Studies (Honours)
Fisheries Resource Officer, Department of Agriculture and Fisheries
**What you will study**

Choose from more than 60 different courses in mathematics and statistics to suit your interests and career goals. Learn to develop new ideas and proofs, and model solutions. Solve complex problems in the physical and biological sciences, engineering, information technology, economics and business. You will gain quantitative and analytical skills in calculus, linear algebra, probability, discrete mathematics and mathematical analysis. Apply your knowledge through practical experience, structured tutorials and specialised lectures. Challenge and expand your problem-solving, logical thinking and conceptual ability with courses in coding and cryptography, and mathematical physics.

**Careers**

Your comprehensive mathematical training creates opportunities in banking, finance, insurance, business, engineering, science, information technology, cryptography and risk management. You will be sought by employers for your excellent quantitative skills and problem-solving abilities. Work in the environmental, physical and biomedical sciences or in roles in defence, teaching or transport and logistics. Continue into a higher degree by research to undertake research positions within universities, government agencies and private companies.

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**SAMPLE COURSES**

- Abstract Algebra and Number Theory
- Algebraic Methods of Mathematical Physics
- Coding and Cryptography
- Complex Analysis
- Differential Geometry
- Functional Analysis
- Operations Research and Mathematical Planning
- Optimisation Theory
- Set Theory and Mathematical Logic

---

**MICROBIOLOGY**

**What you will study**

Microbiology is at the forefront of protection against infectious diseases. Study microorganisms, the immune system, microbial virulence, disease states and response to infection. Learn how vaccines protect animals and humans from infectious diseases. Discover the latest advances in vaccine development from your lecturers who are globally recognised experts. You will focus on immunology, virology, parasitology, environmental microbiology, microbial biotechnology and microbial genomics. Study bacterial, fungal and viral infections. Apply your knowledge in weekly laboratory practicals. Gain skills in specialist biomedical and molecular techniques used to diagnose and characterise infectious microbes and in the development of new diagnostics. Problem-based scenarios will enhance your analytical, research and communication skills.

**Careers**

The growth in biotechnology, aquaculture and emerging disease threats to plant, animal and human health globally has increased job opportunities for microbiologists. You will find roles in agriculture, environmental, chemical, pharmaceutical, medical, food processing and veterinary companies. Work in specialist areas such as forensics, biosecurity and quarantine in government agencies. Or kickstart your career in research by progressing into a research-based honours degree.

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**SAMPLE COURSES**

- Biostatistics and Experimental Design
- Microbiology and Immunology
- Biochemistry and Molecular Biology
- Genetics
- Integrative Cell and Tissue Biology
- Microbes and Human Health
- Molecular Cell Biology I
- Virology
- Microbial Genomics
- Biomedical Parasitology

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“My UQ degree gave me a mathematical foundation for meteorology, which has been really invaluable in my role as a weather forecaster for the Bureau of Meteorology. There are some seriously big partial differential equations in atmospheric dynamics and my main responsibilities are issuing seven-day forecasts for the public and routine short-term and specialised forecasts for the aviation industry. What I found most beneficial about my program was the staff and student interactions. It was really easy to make friends with older students and lecturers so it was always easy to get help and advice for those willing to learn.”

Matthew Marshall
Bachelor of Science (Honours)
Meteorologist,
Bureau of Meteorology
What you will study
Reimagine how we develop the medical treatments and technological advances that will shape our world’s future. Study neuroscience to deepen your understanding of how the human brain and nervous system function. Examine the complexities of the brain. Explore how neural systems process sensory information, control our movement, form memories, react to stress, respond to disease and store vital information about the world around us. Combine your neuroscience minor with courses in anatomy, physiology, pharmacology, molecular biology and cellular biology to prepare yourself for further study in the field of medicine. Or continue into a research-based honours degree in science or biomedical science. Study courses in mathematics, statistics, computer science or physics to apply your knowledge to problems in artificial intelligence.

Careers
Find employment in the business, biotechnology, health, science, information technology or pharmaceutical industries. Work in roles as a biomedical scientist, a research assistant, research officer, quality assurance officer or manager, and in emerging areas such as a deep learning and machine learning engineer.

Careers
The pharmaceutical industry is a $1 trillion global industry. Pharmacologists find roles within this sector as clinical researchers undertaking clinical trials, as analytical chemists or medical sales representatives. They may also be employed as advisors, environmental scientists or toxicologists within government departments, in biotechnology or other health related companies, or as researchers in research institutes and universities.

SAMPLE COURSES
Biochemistry and Molecular Biology
Microbiology and Immunology
Genetics
Microbes and Human Health
Virology
Immunology
Biomedical Parasitology
Global Health and Infectious Diseases
Genomics
Molecular Systems Biology

SAMPLE COURSES
Cells to Organisms
Integrative Cell and Tissue Biology
Molecular Cell Biology I
Molecular and Cellular Neuroscience
The Integrated Brain

SAMPLE COURSES
Genes, Cells and Evolution
Systems Pharmacology
Experimental Pharmacology
Molecular Cell Biology I
Principles of Pharmacology
I wasn’t expecting to go into artificial intelligence, or to find artificial intelligence in a law firm – but it’s a changing industry. As the Deep Learning Lead at Shine Lawyers I look after the artificial intelligence projects and analyse the law firm’s previous cases to predict the likely outcomes of future cases. There’s lots of changes happening to the legal industry and it’s exciting to be at the forefront and leading this change. The scientific and mathematical knowledge and practical research experience I gained at UQ has been instrumental to my career success to date – so regardless of what lies ahead, I’m confident I’m well prepared. During my studies I worked in the genomics lab at the Institute for Molecular Biosciences and the bee bio robotics lab at the Queensland Brain Institute.

Ann Bui
Bachelor of Science (Honours) (Physics), PhD (Physics)
Deep Learning Lead, Shine Lawyers
PSYCHOLOGY

What you will study
Study the science of how people behave, think and feel. Examine brain function, memory, conscious experience, lifespan development, social behaviour, and functional and dysfunctional behaviour. You will develop analytical skills and apply the scientific perspective to psychological phenomena. Build your understanding of neuroscience, learning and cognition, developmental psychology, social psychology, and the application of scientific methods and statistical techniques used in psychological research. Develop an in-depth appreciation of the issues and learn to conduct psychological research and interpret findings.

Careers
Your combination of science and psychology studies provides a competitive edge in professions such as human resources, mental health, counselling and corrective services. With further training, you may become a registered psychologist specialising in clinical psychology, health psychology, organisational psychology, or sport and exercise psychology. To gain full registration as a psychologist with the Psychology Board of Australia you must complete a Psychology extended major before going on to honours and postgraduate study. After graduation, you may also choose to undertake research-based studies in honours, master’s and Doctor of Philosophy (PhD) programs.

SAMPLE COURSES
Developmental Psychology
Learning and Cognition
Neuroscience for Psychologists
Parenting and Family Psychology
Psychopathology
Psychotherapies and Counselling
Sensory Neuroscience
Social and Organisational Psychology
The Neuroscience of Social Behaviour
Industrial and Organisational Psychology

PUBLIC HEALTH

What you will study
Make a positive difference to people’s lives. Learn to measure, plan, manage and evaluate health programs and services to prevent illness and promote good health within communities. Public health is based on a multidisciplinary understanding of health. Explore and examine the basis of disease and wellbeing through human behaviour, physical environments, socio-economic and cultural factors, and systems of healthcare management. You will establish core understanding through the foundational disciplines of public health, including epidemiology, biostatistics, health systems, environmental health and social sciences.

Careers
You will find employment in the public health sector, government, non-profit or private health-based organisations. Work in clinical or non-clinical roles, research roles, or behind the scenes in the business of health. Find non-clinical careers in health promotion, community health, health service management or health information in hospitals and other healthcare facilities, community health clinic management, community nutrition, or public health management. Apply for entry into clinical careers in medicine or allied health or undertake the Master of Public Health. Prepare for a research career with an additional honours year.

SAMPLE COURSES
Introduction to Public Health
Health Systems and Policy
Aboriginal and Torres Strait Islander Health
Major Diseases and their Control
Environmental Health
Global Health and Infectious Disease
Understanding Health Behaviours
Nutrition in the Lifespan
Health Policy in Practice
Community and Public Health Nutrition
Influencing Health Behaviours

“I chose to follow my interests and studied a number of scientific fields, including botany and genetics, before choosing to major in psychology.

I combine my skills in data analysis with my rigorous scientific approach to shed light and address key marketing and e-commerce challenges that businesses face in today’s digital world.

I apply my knowledge of behavioural science to develop experimental research and designs to test theories and learn new insights that can help to find the answers to the questions that need solving.”

Aidan Hegarty
Bachelor of Science (Honours) (Psychology)
Head of Research, Just Media Design
I chose UQ to pursue my science degree because of the outstanding reputation it had in the environmental sciences. After I completed my degree, I worked for two years as a research assistant in the Department of Environmental Science, Policy and Management at the University of California, Berkeley. Now I am completing my PhD at Monash University in Melbourne. As part of my research, I’m developing a decision-making tool for the management of inhabited island systems to achieve the best possible conservation outcomes. With such extreme environmental change happening at such an incredible pace, there are many problems to solve quickly, and that makes this field very exciting to be in.

Allie Nance
Bachelor of Science (Honours) (Ecology and Zoology)
PhD student, Monash University
Bachelor of Veterinary Science (Honours)

Taught at UQ’s Gatton campus, you will access world-class facilities, teachers, research and knowledge during your program and become a fully qualified and internationally recognised veterinarian.

Why Veterinary Science (Honours) at UQ?

Gain the specialist knowledge and practical skills to apply medical, diagnostic and therapeutic principles to companion, domestic, exotic, wildlife and production animals. Your program has been developed in continuous consultation with industry. You will access the latest research developments, coursework and placements and receive the most relevant, up-to-date knowledge and expertise to prepare you to become a veterinarian with a globally accredited qualification. On graduation, you’ll be eligible to register as a veterinary science practitioner in Australia, New Zealand, the United Kingdom, South Africa, Singapore, Hong Kong or Malaysia and be eligible to sit the North American Veterinary Licensing Examination.

What you will study

Your studies begin with foundational training in the anatomy, physiology, biochemistry, nutrition and behaviour of healthy domestic and wild animals. You will complete over 600 hours of clinical and laboratory practical training during your first three years and gain animal handling and husbandry skills. You will acquire a detailed knowledge of animal pathology and diagnostic skills and learn to link these to the manifestation and recognition of various disease processes. In your fourth year, you will undertake dedicated medicine and surgery courses for each of the major animal species. You will also complete population and public health training.

This will be complemented with 130 hours of clinical practical work. Your final year includes more than 1,400 hours of lecture-free training within university and privately owned practices. Throughout your program you’ll also develop essential clinical skills and acquire professional competencies such as communication, business skills and self-development.

Placements and practical experience

You will undertake over 400 hours of extramural studies* involving placements on farms and other animal management enterprises, and within clinics, government offices and laboratories to provide authentic clinical and professional competencies and improve your work readiness. You will receive essential hands-on experience at UQ Gatton’s Small Animal Hospital and Equine Specialist Hospital. Additionally, you may participate in summer or winter research scholarship programs or develop your skills through volunteering in the on-campus animal and clinical facilities.

Situation judgement test

The CASPer situational judgement test recognises attributes other than academic performance. For more information, see future-students.uq.edu.au

Careers

As a fully qualified veterinarian you will work as a general practitioner in veterinary clinical practice. You can also seek employment in biosecurity, animal production and disease control, and the pharmaceutical livestock and biotechnology industries, or undertake research roles within universities and governments.

SAMPLE COURSES

Animal and Veterinary Biology
Animal Breeding and Molecular Genetics
Animal Management for Veterinarians
Companion Animal Clinical Studies
Equine Clinical Studies
Infectious Diseases
Ruminant Medicine and Surgery
Rural Veterinary Practice – Livestock Medicine
Small Animals Clinics
Veterinary Anaesthesia, Diagnostic Imaging and Emergency and Critical Care
Veterinary Pharmacology, Therapeutics and Toxicology
Veterinary Professional Practice
Veterinary Systems Pathology and Medicine
Veterinary Reproduction

For more information
future-students.uq.edu.au
science.uq.edu.au/planner

<table>
<thead>
<tr>
<th>ATAR CODE</th>
<th>UQ CODE</th>
<th>MINIMUM SELECTION THRESHOLD 2022*</th>
<th>LOWEST ATAR TO RECEIVE AN OFFER 2022*</th>
<th>DURATION</th>
<th>START SEMESTER</th>
<th>CAMPUS</th>
<th>HONOURS</th>
<th>ADMISSION REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>736002</td>
<td>2378</td>
<td>99.40 / 43</td>
<td>99.60</td>
<td>5 years</td>
<td>1</td>
<td>Gatton</td>
<td>Part of standard program, awarded based on grade point average of specific courses</td>
<td>Old Year 12 (or equivalent) General English subject (Units 3 &amp; 4, C), Chemistry (Units 3 &amp; 4, C), Mathematical Methods (Units 3 &amp; 4, C), and one of Physics or Biology (Units 3 &amp; 4, C). Applicants must also complete a situational judgement test in the year of application.</td>
</tr>
</tbody>
</table>

* Minimum (adjusted) selection threshold 2022 is the minimum score that was considered for an offer of a place to all applicants.

* Lowest ATAR to receive an offer refers to all recent secondary students who were offered a place for Semester 1, 2022. The lowest ATAR (Adjusted) refers to the ATAR plus any adjustment factors. The Lowest ATAR (Unadjusted) refers to the lowest ATAR excluding any adjustment factors.

PRACTICAL ACTIVITY | HOURS
---|---
Practicals years 1-3 | 612 hours
Pre-clinical extramural studies* | 480 hours
Clinical extramural studies* | 400 hours
Fourth-year clinical practical work | 130 hours
Fifth-year clinics | 1480 hours
TOTAL | 3102 hours

* Extramural studies: Studies located or taking place off-campus.
Bachelor of Veterinary Technology

Gain the theoretical and practical skills to become a para-veterinary healthcare specialist or enter a career in the broader animal health or welfare industries.

Why Veterinary Technology at UQ?
Learn from internationally regarded academics and access the world-class animal health facilities at UQ’s Gatton campus. As a para-veterinary healthcare specialist, you will be equipped with critical thinking, problem-solving, and self-directed learning skills. You’ll graduate with the expertise to take on a leadership role across a broad range of animal-related fields. The Bachelor of Veterinary Technology may be used as a pathway into the Bachelor of Veterinary Science (Honours) program.

What you will study
You’ll study basic sciences of chemistry, biochemistry and mathematics plus animal handling and care, welfare and behaviour, applied and clinical nutrition, mechanisms of animal disease and diagnostic techniques. You’ll learn about clinical aspects of small and large animal health, veterinary pharmacology and therapeutics. Build your expertise in veterinary surgical and medical nursing principles, and veterinary practice management. Elective options include equine exercise and rehabilitation, veterinary laboratory diagnostics, or molecular and quantitative genetics. As you progress through the program, choose from a wide range of elective courses to broaden or focus your skills or pursue an area of interest.

Placements and practical experience
In your first and second years, you will gain at least 80 hours of practical sessions and extramural studies* of 20 days. In your third year, you will complete clinical training, rotations and placements. These placements are great opportunities to establish industry contacts and gain current, industry-relevant experience. Beyond the formal curriculum, you can participate in summer or winter research scholarship programs in UQ’s School of Veterinary Science. Or choose to develop your skills through volunteering in one of the many animal and clinical facilities within the School and on campus.

Note: Students will be exposed to large and small animals as part of their learning, so vaccinations against tetanus and Q fever are mandatory. If you have any concerns about vaccinations, you should contact the Program Coordinator, Professor Paul Mills, before applying for this program.

* Extramural studies: Studies located or taking place off-campus.

Get additional skills
Broaden your skills by concurrently enrolling in the Certificate IV in Veterinary Nursing, the Certificate III in Rural Operations or the Farm Ready program through UQ Skills (details available at skills-training.uq.edu.au/programs).

Careers
You will find employment within the veterinary industry in veterinary practice, animal health biosecurity, veterinary pharmaceutical companies, animal nutrition companies, government agencies and councils, research institutions and the livestock sector.

Undertaking an honours year in either a research or clinical stream could lead you to postgraduate studies.

SAMPLE COURSES
- Agricultural Biochemistry
- Applied Animal Physiology
- Animal Behaviour: Handling and Wellbeing
- Animal Health Technology
- Animal Nutrition and Technology
- Animal Therapeutics
- Applied Mathematics and Statistics
- Large Animal Health and Management
- Preparation for Professional Practice
- Small Animal Health
- Surgical Principles and Practices
- Electives
- Veterinary Laboratory Diagnostics for Veterinary Technologists

For more information
future-students.uq.edu.au
science.uq.edu.au/planner

QTAC CODE | UQ CODE | MINIMUM SELECTION THRESHOLD 2022 ATAR / IB | LOWEST ATAR TO RECEIVE AN OFFER 2022 ADJUSTED | UNADJUSTED | DURATION | START SEMESTER | CAMPUS | HONOURS | ADMISSION REQUIREMENTS
---|---|---|---|---|---|---|---|---|---
787309 | 2587 | 78.00 / 28 | 78.20 | 74.95 | 3 years full-time (or part-time equivalent) | 1 | Gatton | Additional year of study | Qld Year 12 (or equivalent) General English subject (Units 3 & 4, C); General Mathematics or Mathematical Methods (Units 3 & 4, C). Biology, Chemistry and/or Physics are recommended subjects

See ‘Program table explained’ on page 10

Minimum (adjusted) selection threshold 2022 is the minimum score that was considered for an offer of a place to all applicants.

Lowest ATAR to receive an offer refers to all recent secondary students who were offered a place for Semester 1, 2022. The lowest ATAR (Adjusted) refers to the ATAR plus any adjustment factors. The Lowest ATAR (Unadjusted) refers to the lowest ATAR excluding any adjustment factors.
Wildlife Science

Bachelor of

Build expertise in animal biology (anatomy, physiology and behaviour) directed towards the conservation and management of wild animals. Study a broad range of native and exotic species, including amphibians, reptiles, birds and mammals. Learn how to manage wildlife populations in the field (in situ) and in captivity (ex situ).

Why Wildlife Science at UQ?
Gain expertise in animal biology and conservation. You’ll study native and exotic species including amphibians, reptiles, birds and mammals. Focus on the management of populations in the wild (in situ) and in captivity (ex situ). You’ll study the human-wildlife interaction and their successful co-existence. You will explore important interactions including those associated with agricultural practice, the peri-urban landscape and the role of wildlife in zoonotic disease. Learn from leading wildlife scientists and biologists, and gain the skills to create and evaluate wildlife management programs for captive and wild animals. UQ is the most highly ranked Australian university for Environmental Science and Agriculture research globally. Gain hands-on wildlife experience in UQ’s wildlife research facilities and have access to some of the best animal and veterinary facilities in the southern hemisphere. hiddenvalewildlife.uq.edu.au

What you will study
You will learn to implement and evaluate wildlife management programs for captive and free-ranging wildlife. Develop a deep scientific knowledge of wildlife anatomy and physiology, captive breeding, reproduction, nutrition, health, husbandry, ecology, welfare and behaviour. Your excellent wildlife trapping, identification and animal handling skills will put you in demand in the wildlife and vertebrate pest management industries in Australia. Choose from specific wildlife courses and a field-trip-based elective that will emphasise in practice both in situ and ex situ wildlife management.

Dual program
Double your skills and your opportunities with a dual degree. You can study the Bachelor of Wildlife Science as a dual four-year degree with the Bachelor of Agribusiness. Combine your practical business skills with your interests in wildlife science. This is a perfect combination if you are interested in establishing a wildlife management business (tourism or wildlife consultant) or pursuing a management position in the zoo industry.

Placements and practical experience
You’ll have the opportunity to be involved with industry placements in zoos, sanctuaries, wildlife parks, government agencies, welfare organisations and animal breeding enterprises. Industry placements will add to your practical, hands-on work experience. They are also great opportunities to establish industry contacts and gain current, industry-relevant experience.

Get additional skills
You can also broaden your skill set by concurrently enrolling in the Certificate III in Rural Operations or the Farm Ready program through UQ Skills (details available at skills-training.uq.edu.au/programs).

Careers
You will find employment in research, managerial, consultancy and educational roles as a wildlife scientist, wildlife technician, conservation officer in ecotourism, land resource manager, vertebrate pest and wildlife manager in government agencies, NGOs or wildlife sanctuaries and zoos. Become a wildlife consultant at the human–wildlife interface to help manage wildlife interactions with agriculture, mining, peri-urban landscapes and zoonotic disease threats. Undertake an additional honours year and further studies, such as a PhD, to enhance your research skills and expertise.

SAMPLE COURSES
- Animal and Plant Biosecurity
- Animal Health and Epidemiology
- Animal Behaviour, Handling and Wellbeing
- Animal Breeding and Genetics
- Australian Vertebrates
- Biology of Australian Marsupials and Monotremes
- Elements of Ecology
- Human Wildlife Interactions
- The Management and Husbandry of Zoo Animals
- Wildlife Population Management
- Wildlife Technologies

For more information
future-students.uq.edu.au
science.uq.edu.au/planner
UQ Gatton

Our rural campus is located near the town of Gatton, 87 kilometres west of the Brisbane CBD. It offers a laid-back and friendly lifestyle with on-campus accommodation, a publicly accessible motel and a variety of sporting facilities.

Food and retail

You can buy food and drinks from the Coffee Pod, Dining Hall and Walkway Café, and you can purchase and sell books at our retail bookshop. There’s an on-campus post office, and keep an eye out for the regular events for students in the Central Walkway.

Teaching and research facilities

The campus houses production animals, horticultural fields, a plant nursery, post-harvest facilities, research laboratories and greenhouses, a wildlife facility, specialist veterinary and equine hospitals, and some of the best animal teaching facilities in the southern hemisphere.

Fitness

UQ Sport Gatton is home to a heated 25-metre pool, as well as a gym equipped with extensive weights and cardio equipment. You can also take part in group fitness classes every week, or grab a friend and head to the squash, tennis, netball and basketball courts, cricket nets, indoor sports hall, or one of three playing fields.

uqsport.com.au/gatton

Library

UQ Gatton’s recently refurbished library provides computers, comfortable furniture and break-out spaces, individual study spaces with acoustic lining, power and USB connectors, height-adjustable desks, meeting rooms, a postgraduate study area, and a 24-hour study space.

Free inter-campus bus service

UQ provides a free inter-campus bus service between UQ Gatton and UQ St Lucia for students and staff.

For accommodation information, see page 46.

future-students.uq.edu.au/campuses

Gatton sport and wellness facilities include:

- on-campus cardio and weights gym, 25-metre pool, and tennis, basketball, netball and squash courts
- 6+ social sport options offered throughout the year
- 10 group fitness classes per week including boot camp, yoga, pilates and high-intensity toning classes
- 3 playing fields, equipped for rugby, touch, cricket and more
UQ St Lucia

Considered one of the most beautiful campuses in the world, UQ’s St Lucia campus is a vibrant mix of old sandstone buildings, modern architecture, parklands and lakes. It’s a city within a city, with everything you need to study, live and relax.

You will find world-class teaching and research facilities at UQ St Lucia, including Queensland’s largest research library plus fully equipped laboratories and lecture theatres. The campus caters to all study and living needs, including excellent sporting facilities, museums, art galleries, shops, a post office, restaurants and refectories. UQ St Lucia is also a great place to enjoy university life with market days and cultural and sporting events, or you can join one of the 220 clubs and societies.

Research institutes on campus, many with a multidisciplinary focus, include:
- Australian Institute for Bioengineering and Nanotechnology (AIBN)
- Global Change Institute (GCI)
- Institute for Molecular Bioscience (IMB)
- Institute for Social Science Research (ISSR)
- Mater Research Institute–UQ
- Queensland Alliance for Agriculture and Food Innovation (QAAFI)
- Queensland Brain Institute (QBI)
- Sustainable Minerals Institute (SMI).

UQ Herston

UQ Herston is home to our Medicine, Dentistry and Public Health programs, as well as state of the art clinical facilities including:
- Herston Imaging Research Facility
- Oral Health Centre
- RECOVER Injury Research Centre
- UQ Centre for Clinical Research
- Surgical, Treatment and Rehabilitation Service.

UQ shares premises with the Royal Brisbane and Women’s Hospital and the QIMR Berghofer Medical Research Institute, creating a health-focused community where students gain practical experience alongside industry professionals and leading researchers.

Student lifestyle

Study is only one part of your life as a UQ student. Our easily accessible campuses offer a full university experience, where you will make life-long friends and broaden your horizons by studying, working and socialising with people from all over the world.

Travel options to UQ campuses

<table>
<thead>
<tr>
<th>UQ ST LUCIA</th>
<th>UQ GATTON</th>
<th>UQ HERSTON</th>
</tr>
</thead>
<tbody>
<tr>
<td>5km from Brisbane CBD</td>
<td>5km from Gatton CBD</td>
<td>5km from Brisbane CBD</td>
</tr>
<tr>
<td>10+ direct bus routes One arrives every 2 mins at the UQ Lakes bus stop</td>
<td>4+ free inter-campus buses daily</td>
<td>2 mins to Inner Northern Busway from the CBD</td>
</tr>
<tr>
<td>5+ train stations within 4km</td>
<td>Rail-bus service runs between Brisbane and Gatton</td>
<td>3+ train stations within 2km</td>
</tr>
<tr>
<td>15 mins between each ferry</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Travel time by free inter-campus bus between UQ St Lucia and UQ Gatton: 90 minutes (one way)
Fees and costs

Course fees and student contributions

Most undergraduate places for domestic students at UQ are funded partly by the Australian Government (Commonwealth support) and partly by you (student contribution). You need a Unique Student Identifier (USI) to obtain a Commonwealth supported place.

usi.gov.au

Fees are charged according to the courses you choose, not the program you're enrolled in, so it's not possible to publish a fixed fee for a program. Because most students can choose different electives during their program, costs will vary. However, indicative annual fees are listed with each program on our Future Students website to help you plan your budget.

If you’re an Australian or New Zealand citizen, or an Australian permanent humanitarian visa holder and have a Commonwealth-supported place, you may also qualify for the Higher Education Loan Program (HELP) to defer payment of your student contribution and Student Services and Amenities Fee (SSAF). You will need to apply for a tax file number, if you don’t already have one, in order to obtain a HELP loan.

ato.gov.au

International students pay full tuition fees. If you have a Commonwealth-supported place, your student contribution amount depends on the fee band level of the courses you choose (see table above right).

future-students.uq.edu.au/study/programs

Commonwealth-supported fee bands

<table>
<thead>
<tr>
<th>BAND</th>
<th>AREA OF STUDY</th>
<th>ANNUAL STUDENT CONTRIBUTION*</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Law, accounting, administration, economics, commerce, communications, society and culture</td>
<td>$14,630</td>
</tr>
<tr>
<td>3</td>
<td>Dentistry, medicine, veterinary science</td>
<td>$11,401</td>
</tr>
<tr>
<td>2</td>
<td>Other health, allied health, built environment, computing, engineering, surveying, science, environmental studies, pathology, visual and performing arts, professional pathway psychology, professional pathway social work</td>
<td>$8,021</td>
</tr>
<tr>
<td>1</td>
<td>Agriculture, English, mathematics, education, clinical psychology, Indigenous and foreign languages, nursing, statistics</td>
<td>$3,985</td>
</tr>
</tbody>
</table>

*2022 figures only, based on a full-time (16 unit) workload; figures indexed annually

Monthly cost of living

<table>
<thead>
<tr>
<th>STUDENT LIVING IN ON-CAMPUS COLLEGE</th>
<th>STUDENT LIVING OFF-CAMPUS / STUDENT ACCOMMODATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rent $2,000–$2,800</td>
<td>$480–$1,760</td>
</tr>
<tr>
<td>Utilities (gas, electricity, water)</td>
<td>included in rent</td>
</tr>
<tr>
<td>Food</td>
<td>included in rent</td>
</tr>
<tr>
<td>Mobile phone / internet</td>
<td>$80–$120</td>
</tr>
<tr>
<td>Public transport</td>
<td>$40</td>
</tr>
<tr>
<td>TOTAL $2,120–$2,960</td>
<td>$1,080–$2,755</td>
</tr>
</tbody>
</table>

*This table should be taken as a guide only. For the most accurate costs of living, visit my.uq.edu.au/starting-at-uq/student-finances/budgeting

Student Services and Amenities Fee

The Student Services and Amenities Fee (SSAF) is a compulsory fee that is used to subsidise, support or fund non-academic services for students, such as support services, advocacy, study skills, career development and employability.

UQ levies the SSAF – which is capped at a maximum of $313 for 2021 – according to whether you’re an internal or external student, and full-time or part-time. The fee is indexed annually.

bit.ly/uq_ssaf

Keeping your costs down

• Investigate the financial support and fee payment options offered by Centrelink.
  servicesaustralia.gov.au

• Explore the scholarships on offer (see page 5).

• Enjoy UQ Union’s free and low-cost entertainment and activities, such as Morning Marmalade and Kampus Kitchen.
  uqu.com.au

• Get concessions and student discounts at participating retailers and institutions with your UQ student card.

Plan your finances

University is a valuable investment in your future. Knowing what it costs will help you manage your money.

Fees for 2023 are expected to be available from November 2022.
my.uq.edu.au/fee-schedules

Insider Guides provides a helpful online Cost of Living Calculator to estimate your weekly, monthly and yearly living costs.
insiderguides.com.au/cost-of-living-calculator

Insider Guides

provides a helpful online Cost of Living Calculator to estimate your weekly, monthly and yearly living costs.
UQ Living

Accommodation for every journey
Beyond your books and classes, where you choose to live is also part of the learning journey.
Whether you want to experience UQ living on-campus or in accommodation outside of university, we’re here to help curious minds feel right at home.

On-campus living
Welcome to a truly immersive university experience. Join us on campus and connect to a community that centres around you and your education.

UQ Residential Colleges
Make lifelong friendships in a welcoming student community. Our 10 residential colleges provide a place where you can make memories and connections that stay with you for life.
Living in a UQ college also means access to:
- a welcoming, collegial community
- 24/7 onsite staff support and pastoral care
- well established academic communities and alumni networks
- inter-college sporting, cultural, community and social activities
- outstanding leadership, career mentoring and wellbeing programs.

With their unique and historical connection to the university, UQ colleges have an ideal on-campus home for everyone.

Gatton Halls of Residence
If you are studying at Gatton, stay in the Gatton Halls of Residence. The Halls have provided our students with a home since 1897. With 436 rooms, there’s a place for you at Gatton.

UQ Residences
Kev Carmody House is UQ’s brand new student residence exclusively for UQ students. Located in the heart of our St Lucia campus, Kev Carmody House has the convenience of being just minutes away from classes and features:
- 610 light-filled and spacious one-bedroom rooms with an ensuite
- a wide range of social areas to cook and catch up with new friends
- world-class facilities and a stunning rooftop pool deck
- an engaging student life program

More than a place to study, Kev Carmody House is a place where you can belong and thrive in a vibrant community to call your own.

Off-campus living
From city living to suburban share houses, you’ll find a place to stay in no time.

Purpose-built student living
Join students from universities all across Brisbane at one of our recommended student accommodation providers. A variety of studio, single-bedroom and twin share options are available.

Private housing
Would you like to branch out from the uni community? You might like to share a house or apartment with other people. Brisbane’s rental market features everything from low-cost share houses to high-rise apartments, while Gatton offers a range of affordable share houses. To find a room, apartment or house, first check our UQ Rentals database. There are also private rental accommodation websites and you can rent directly from real estate agents.

UQ Accommodation team
Our UQ Accommodation team can help you find your ideal home. The team offers free information sessions before classes start, and can also give you advice, check documentation for you, and direct you to useful material online.

Guaranteed accommodation
When you apply through UQ Guaranteed Accommodation, you are able to secure your accommodation prior to arriving in Brisbane and commencing studies at UQ.

The UQ Residential Colleges (on campus) and UQ Approved Providers (off campus) set aside a guaranteed number of rooms so you are able to compare, choose and secure the most appropriate accommodation easily.
Find out more at:
bit.ly/guaranteedaccommodation
Are you an international student?

While a lot of information in this guide is relevant to you, certain key information may be different for international students.

You are an international student if you are:
- not a citizen of Australia or New Zealand, or
- not an Australian permanent resident, or
- a temporary resident (visa status) of Australia.

Eligibility for UQ study
For admission into undergraduate programs at UQ, you must have:
- completed secondary studies equivalent to Queensland Year 12 with a score comparable to the ATAR or Queensland Year 12 Rank (prior to 2020) specified for your program
- satisfied individual program requirements (e.g. specific subject prerequisites, auditions or interviews)
- satisfied UQ’s English language proficiency requirements.

If you do not meet these criteria, you might consider taking a foundation program bridging course or English language pathway offered by UQ College.

Pathway options
future-students.uq.edu.au/admissions/undergraduate/consider-your-pathway-options

Applying to UQ
A UQ degree is a qualification the world will recognise. If you’ve got the ability, commitment and ambition to make the most of UQ, then we want to hear from you.
future-students.uq.edu.au/admissions

Study options at UQ
If you would like to know more about your study options at UQ, enquire through our online form, and one of our UQ advisers will respond. You can also register for an advisory call with one of our student advisers. If you are in Brisbane, sign up for a campus tour.

We also have a range of publications, including the international undergraduate and postgraduate student guides, to help you.

Contact Us
future-students.uq.edu.au/contact-us

Advisory calls

Campus tours
future-students.uq.edu.au/university-life/campus-tours

Program guides
future-students.uq.edu.au/teachers-guidance-counsellors

Fees
As an international student, you will pay tuition fees, and potentially other non-tuition fees. UQ has program-based tuition fees for coursework award programs, meaning that all courses within a program are charged at the same tuition fee rate per unit for a given academic year. Some programs also have additional costs.

Non-tuition fees paid to the University may include the student services and amenities fee, books and equipment, health insurance, administration, accommodation, and assistance to apply for or hold a student visa.

future-students.uq.edu.au/admissions/undergraduate/review-fees-and-financial-support

Other expenses
International students applying to study in Australia must have a student visa or an alternative visa that enables them to study full-time on campus. Please consider expenses such as visa and medical (pre-departure) fees, general living expenses, establishment costs such as buying furniture, paying a rental bond and setting up electricity, gas and mobile phone accounts, as well as return airfares, and Overseas Student Health Cover (OSHC) when you plan your budget.

future-students.uq.edu.au/university-life/living-in-brisbane/cost-living

“Studying at an international university can be challenging and you may be worried, like I was, about handling the transition but please be assured your lecturers, tutors and peers are always there to help.”

Grace Loo
Bachelor of Veterinary Science (Honours)
Applying to UQ

Follow the steps to apply to UQ and start on the path to your future.

STEP 1
Choose

Choose your program

- Read your program options (see pages 11–42)
- Visit future-students.uq.edu.au.

TIP: Check that you meet eligibility, merit and other entry requirements and meet any specific program deadlines.

A range of study area guides and other UQ publications can help you choose the right program.

future-students.uq.edu.au/publications-and-forms

STEP 2
Apply

Apply via QTAC

Apply for admission to UQ undergraduate programs through the Queensland Tertiary Admissions Centre (QTAC). The QTAC website explains how to apply and the entry requirements you need.

List up to six program preferences. You’ll only receive one offer – for the highest preference you’re eligible for. Place programs in order of preference, placing your dream program first and your back-up options next.

STEP 3
Accept

Accept your offer

1. Log in by clicking ‘Applications’ and then ‘Apply or Log In’ at qtac.edu.au.
2. Select ‘Log In’ and enter your details.
3. Select the Accept offer option.
4. Accept your offer.
5. Activate your student account.
6. Go to my.uq.edu.au/starting-at-uq and follow the instructions.
7. Get excited about starting at UQ.

STEP 4
Enrol

Enrol in courses

1. Access your program rules, course list and other helpful information by logging in to my.uq.edu.au/starting-at-uq.
2. Choose your courses at my.uq.edu.au/programs-courses.
3. Enrol online at sinet.uq.edu.au.
4. Select preferred class times via My Timetable (in my.UQ portal).
5. Pay fees (see page 45).

STEP 5
Prepare

Prepare for Week 1

- Complete the steps on the Starting at UQ website. my.uq.edu.au/starting-at-uq.
- Attend a Getting Started session.
- Check if you need to attend any program sessions before Orientation Week.
- Pick up your student ID card after you have enrolled.
- Get answers to any remaining questions before classes start by emailing starting@uq.edu.au.

STEP 6
Let’s go!

Get ready for the ultimate university experience

- Prep Week – jump-start your university journey.
- Orientation Week – get your first taste of #uqlife with fun-filled events
- Connect Week – join the social scene, make new friends and link in with your academic circle.
- Culture Week – experience UQ’s diverse culture and global networks.
- Success Week – learn about the resources available to help you succeed at UQ.
- Instagram (@uniofqld) or Snapchat (uniofqld) your UQ experience to your friends.

* This information applies to domestic students. If you are an international student, please visit future-students.uq.edu.au/admissions.
Study options

UQ offers more than 140 exciting undergraduate programs to help build your dream career. For more details, check out our range of publications, or go to future-students.uq.edu.au

Study options

**Arts, Humanities, Social Sciences and Education**
- Advanced Humanities (Honours)
- Arts
- Communication
- Criminology and Criminal Justice (Honours)
- Education (Primary)
- Education (Secondary)
- International Studies
- Journalism
- Music (Honours)
- Politics, Philosophy and Economics (Honours)
- Social Science

**Health, Behavioural Sciences and Medicine**
- Biomedical Science
- Clinical Exercise Physiology
- Dental Science
- Exercise and Nutrition Sciences
- Exercise and Sport Sciences
- Health Sciences
- Health, Sport and Physical Education
- Medicine
- Midwifery
- Nursing
- Occupational Therapy
- Pharmacy
- Physiotherapy
- Psychological Science
- Social Work
- Speech Pathology

**Business, Economics and Law**
- Advanced Business (Honours)
- Advanced Finance and Economics (Honours)
- Business Management
- Commerce
- Economics
- Laws (Honours)
- Politics, Philosophy and Economics (Honours)
- Tourism, Hospitality and Event Management

**Science, Mathematics, Agriculture and Environment**
- Advanced Science
- Agribusiness
- Agricultural Science
- Biomedical Science
- Biotechnology
- Environmental Management
- Environmental Science
- Equine Science
- Mathematics
- Occupational Health and Safety Science
- Science
- Veterinary Science
- Veterinary Technology
- Wildlife Science

**Engineering, Design, Computing, Architecture and Planning**
- Architectural Design
- Computer Science
- Design
- Engineering (Honours)
- Information Technology
- Regional and Town Planning

Central guides
- Australian Undergraduate (pictured left)
- International Undergraduate and Postgraduate
  (international students can visit future-students.uq.edu.au/teachers-guidance-counsellors to access the latest international student guides)
Have a question about programs in this Guide?

Faculty of Science – St Lucia campus
+61 7 3365 1888
enquire@science.uq.edu.au
science.uq.edu.au

Faculty of Science – Gatton campus
+61 7 5460 1276
enquire@science.uq.edu.au
science.uq.edu.au

Have a question about living and studying at UQ?

Contact the Future Students Contact Centre
+61 7 3346 9872
ask@uq.edu.au
future-students.uq.edu.au

Have a question about entry requirements and admission to UQ?

Contact UQ Admissions
+61 7 3365 2203
admissions@uq.edu.au
future-students.uq.edu.au/admissions

Key dates

Tertiary Studies Expo (TSXPO)
RNA Showgrounds
Saturday and Sunday 16-17 July 2022

UQ Open Day 2022
St Lucia campus Sunday 7 August 2022
Gatton campus Sunday 21 August 2022

Semester 1, 2023
Classes commence
Monday 20 February 2023

CRICOS Provider 00025B

Disclaimer

The information in this Guide is accurate as at January 2022. However, the University has many programs and courses, and refreshes and updates its programs and course offerings from time to time and without notice. It is your responsibility to visit future-students.uq.edu.au for up-to-date information.

All costs and fees quoted in this publication are in Australian dollars (A$).