ENGINEERING, ARCHITECTURE AND INFORMATION TECHNOLOGY

2017
Undergraduate
TOP REASONS TO CHOOSE UQ

SUCCESSFUL GRADUATES
Higher than national averages for full-time graduate employment rates and salaries

GREAT EXPERIENCES
Long- and short-term overseas study exchange, vacation research programs and more

GLOBAL CONNECTIONS
Extensive graduate network, strong industry partnerships and many notable alumni
TOP REASONS TO CHOOSE UQ

ACCESSIBLE LOCATIONS
Three easy-to-access campuses – catch public transport, ride, walk, or drive

EXCELLENT TEACHERS
More national teaching awards than any other Australian university*

VIBRANT LIFESTYLE
Dynamic sports and cultural activities, 200+ clubs and societies

LEADING RESEARCH
Global research powerhouse with all fields at or above world standard**

WORLD-CLASS FACILITIES
Continuously improving teaching, learning, sporting, and research spaces

HIGH-QUALITY PROGRAMS
Most comprehensive range of programs and courses in Queensland

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*As at December 2015, UQ has received 114 Citations for Outstanding Contributions to Student Learning, Awards for Teaching Excellence, and Awards for Programs that Enhance Learning.

** 2015 Excellence in Research for Australia (ERA) assessment
Choose Engineering
As a UQ-qualified engineer, you’ll be highly sought after by employers in industry and research institutions all over the world. Our graduates are in the top band of engineering starting salaries in Australia, and many have gone on to senior positions within Australia and overseas, or postgraduate study. You can find yourself working in existing and new growth areas within research, development, design, manufacturing and operations that provide valuable products, processes and services.

Choose Architecture
UQ’s School of Architecture offers courses that reflect the dynamic nature of professional architecture and help you realise your potential to make a positive contribution in shaping our built environment and culture. Over the course of your degree you will have opportunities to get hands-on involvement in community-based projects with real clients. You will also have the opportunity to travel and study overseas. In 2015 our students were funded to take field trips to Sri Lanka, Hong Kong and Japan.

Choose IT
In a progressive and innovative industry such as IT, requirements are constantly changing. To ensure you graduate with current and relevant skills, we develop our programs in consultation with industry leaders via an Industry Advisory Board. You’ll be prepared to respond to constant progression and understand the many facets of IT. Our graduates are working for some of the biggest IT corporations around the globe, including Wotif, Telstra, Google and Microsoft.

WHY STUDY WITH US?

SAM BOWSTEAD
Bachelor of Architectural Design graduate
Current Master of Architecture student

“...My undergraduate experience challenged me far beyond my expectations. As an architecture student, UQ was able to continually refine and redefine my skill set as a designer. I found myself constructing cardboard shelters on Stradbroke Island, as well as a few too many late nights getting that essay just right.

More importantly, however, was not that UQ offered me a set of skills, but that I was taught how to think critically. In a time of exponentially changing technology, learning how to learn is arguably the most important skill of all. Lessons from leading teachers in their field, an independent and enthusiastic body of students and experiences such as studying abroad have done this.”
WORK ANYWHERE IN THE WORLD
Our qualifications are recognised internationally, allowing graduates to work anywhere in the world

$1 MILLION
worth of scholarships and prizes awarded annually

THE UNIVERSITY OF CHOICE
for women in engineering in Australia

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INNOVATION AND LEADERSHIP

Change the world through creative thinking, innovative technologies and outstanding staff, students and alumni.

Innovation and leadership
We have long, proud traditions of innovation and leadership across student education and research. In just over a century, more than 29,000 graduates have gone on to use their UQ education to have a significant impact on our state, our nation and across the world. We believe that lifelong success is fostered at UQ through great education – inspiring students to think differently, ask the difficult questions, be a positive influence and fulfill every ounce of their potential.

Teaching excellence
Our commitment to teaching guarantees that your experience will be rich and varied. To help you achieve success in your chosen field, you will be taught by a mix of internationally renowned lecturers, experienced industry professionals and leading researchers. To ensure you reach your full potential, you will also have access to academic advising sessions, guest lectures and some of UQ’s most active student societies.

Research impact
We’re about translating knowledge into action. With an annual research budget of $42 million, UQ’s Faculty of Engineering, Architecture and Information Technology provides a rich and diverse flow of breakthrough technologies that are helping to improve communities around the world. From novel hydrogen storage and next generation polymers to biomedical engineering and mining safety, our research outcomes are solving problems for local and international communities, and our industry partners. Our commercially oriented research has developed many novel and relevant technologies that have led to new commercial products via licensing or start-up companies, such as the Nanopatch and GroundProbe.

World-class facilities
We’ve invested heavily in world-class facilities to ensure the best equipment, labs, and expertise are available to you. You will have access to one of the fastest and most advanced information networks in the world, and modern teaching spaces that take advantage of the latest technology, including:
• modern lecture theatres, seminar rooms, design studios and laboratories
• 16 computing laboratories with 24-hour access to high-end workstations
• specialist laboratories in biomedicine, engineering, robotics, electronics, computer systems, communications, power systems, optics, signal processing and microwaves.

All of this means that you will enjoy the best learning experience possible.
SCHOLARSHIPS

There is a wide variety of scholarships available to students studying within the disciplines of engineering, architecture and information technology. Students must apply to be eligible for scholarships.

<table>
<thead>
<tr>
<th>SCHOLARSHIP</th>
<th>PURPOSE</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agility Applications Regional QLD ICT Scholarship</td>
<td>To encourage and support first and second year students from regional areas to pursue a Bachelor of Information Technology or Bachelor of Engineering (Honours) majoring in Software.</td>
<td>$8,000 for 1 year</td>
</tr>
<tr>
<td>Curavis Fund Scholarship</td>
<td>To provide support to first year students who have been educationally/financially disadvantaged and/or geographically isolated to live in a residential college at The University of Queensland.</td>
<td>$10,000 for up to 2 years by way of reduction in residential fees</td>
</tr>
<tr>
<td>Electrical Engineering Alumni Advantage Scholarship</td>
<td>To encourage and support first year students undertaking the Bachelor of Engineering (Honours) program (including a dual program) in the field of Electrical Engineering from an “under-represented” cohort – this means that the student will be facing financial disadvantage; and/or a female student; and/or Indigenous.</td>
<td>$3,000 for 1 year</td>
</tr>
<tr>
<td>ICT Excellence Scholarship in Information Technology and Electrical Engineering</td>
<td>To encourage and assist first year students studying a Bachelor of Information Technology or Bachelor of Engineering (Honours) majoring in Electrical Engineering or Software.</td>
<td>$3,000 for 1 year</td>
</tr>
<tr>
<td>ICT Alumni Advantage Scholarship</td>
<td>To encourage and support first year students undertaking a Bachelor of Information Technology or Bachelor of Engineering (Honours) majoring in Electrical Engineering or Software (including a dual program involving one of these) from an “under-represented” cohort – this means that the student will be facing financial disadvantage; and/or a female student; and/or Indigenous.</td>
<td>$3,000 for 1 year</td>
</tr>
<tr>
<td>Kathy Hirschfeld Scholarship for Women in Engineering</td>
<td>To encourage and support a female student undertaking their first year of the Bachelor of Engineering (Honours) program.</td>
<td>$5,000 for 1 year</td>
</tr>
<tr>
<td>Leeanne Bond Scholarship for Women in Engineering</td>
<td>To encourage and support a female student in the first year of the Bachelor of Engineering (Honours) program.</td>
<td>$5,000 for 1 year</td>
</tr>
<tr>
<td>WSP Parsons Brinckerhoff Scholarship for Women in Engineering</td>
<td>To support female students undertaking their first year of the Bachelor of Engineering (Honours) who can demonstrate educational/financial disadvantage and/or geographic isolation.</td>
<td>$8,000 for 1 year</td>
</tr>
<tr>
<td>AE Brooks Travelling Scholarship in Architecture</td>
<td>To enable graduates from the Bachelor of Architectural Design or Master of Architecture programs to pursue outside Australia a program of work and study approved by the Head of the School of Architecture.</td>
<td>$5,000 (approximate)</td>
</tr>
<tr>
<td>RN Hammon Scholarships</td>
<td>To assist Australian Indigenous students to undertake post-secondary study in Queensland.</td>
<td>The value of the scholarship is determined each year.</td>
</tr>
<tr>
<td>Faculty of Engineering, Architecture and Information Technology Year 12 Overseas International Scholarships</td>
<td>To assist international students who have completed senior high school overseas.</td>
<td>50 per cent tuition fee reduction</td>
</tr>
</tbody>
</table>

In the event of any conflict arising from information contained in this booklet, the material approved by the Faculty of Engineering, Architecture and Information Technology shall prevail.

You may not think you are eligible for a scholarship, but with many, many different opportunities available, you should definitely take some time to research and apply.
EAiT Scholars Program

The EAiT Scholars program provides the Faculty’s top students in engineering, architectural design and technology programs with enhanced academic, industry and cultural experiences, as the University aims to further develop your skills, knowledge and experiences in preparation for long-term leadership positions.

Engineering, Architecture and Information Technology (EAiT) Scholars are academically gifted students who aspire to take their degree to the highest possible level.

The cohorts are defined as follows:
• Birrell Scholars (for Architectural Design students)
• Hawken Scholars (for Engineering students)
• Prentice Scholars (for IT students)

Students will be introduced to industry, community and corporate networks, and have the opportunity to further develop their skills and knowledge through priority access to research, international exchange and industry sponsored opportunities.

The program also enables access to exclusive industry and research events including:
• Annual leadership function
• Industry networking colloquium opportunities
• Exclusive Boardroom Lunches with senior members of industry
• Student mentoring opportunities

Through exposing this motivated and elite group of the Faculty’s top students to new networks and opportunities, we aim to further develop their skills, knowledge and experiences, in preparation for long-term leadership positions.

Program membership
All high achieving students are invited to apply for a UQ Vice-Chancellor’s Scholarship, UQ Excellence Scholarship, or EAiT International Scholarship when enrolling in an Engineering, Architecture or Information Technology degree. Those who are successful in their application for these scholarships will become EAiT Scholars for their first year of study at UQ. For students who are in their second year of study onwards, the top 5 per cent of each cohort (measured by GPA) will be selected and invited to participate in the EAiT Scholars program each year.

For more information
www.uq.eait.uq.edu/eait-scholars
VALUE BEYOND THE CLASSROOM

Through our strong partnerships with alumni, industry, government and business, you’ll gain access to unique and innovative opportunities as a student and beyond graduation.

Student opportunities

MEET a Mentor
MEET a Mentor is an exciting initiative for current third and fourth year students and graduates of more than ten years in engineering and information technology, at The University of Queensland.

The program aims to connect students with established alumni to motivate, encourage, empower and transform the next generation of engineering and information technology professionals.

Students participating in the MEET a Mentor program will have the opportunity to:
• engage influential engineering and information technology professionals
• share the value of their expertise
• expand their networks
• give back and gain valuable experiences.

The program will assist with students’ career development and transition from university into the workforce, and engage business professionals in a mutually beneficial partnership.

For more information, please visit the website: eait.uq.edu.au/meet-mentor

UQ Idea Hub
UQ Idea Hub is a start-up pre-incubator for the aspiring, the inspiring and the ambitious.

The program brings together workshops, experienced mentors and a network of local and global innovators to help you grow your idea into a solution that matters.

Throughout the program, you will have the opportunity to form and test your early stage ideas for potential commercial opportunity. You will also build networks with other students, idea makers and seasoned entrepreneurs for a strong, well-connected start to your entrepreneurial journey.

Graduate opportunities

‘Leaders of Influence’ Alumni Talk Series
The EAIT ‘Leaders of Influence’ Alumni Talk Series engages high calibre industry leaders to present to our alumni and community on current and critical issues that impact Australian and global engineering, architecture and IT companies. Seminars are delivered in Brisbane, Sydney and Melbourne.

Attendees can expect lively discussions, access to VIP speakers, and networking with fellow UQ alumni over light refreshments.

To stay up-to-date with upcoming events visit eait.uq.edu.au/alumni-events

Women in Engineering Alumni Network
Building on the success of the UQ Women in Engineering program, and delivering on our promise to become the leading University of Choice for women in engineering in Australia, our ‘Women in Engineering’ Alumni Ambassadors work in partnership with UQ to develop activities that engage their fellow alumni and foster a sense of UQ community and support amongst engineering graduates (male and female). Our Alumni Ambassadors deliver and host a range of social and structured non-exclusive, quarterly Brisbane-based events focused on issues of interest for women in the engineering industry.

For more information visit eait.uq.edu.au/women-engineering-alumni-committee
ENGINEERING AT UQ

Engineers create imaginative and visionary solutions to the challenges facing the planet to improve the world we live in.

Drive innovation to SHAPE THE FUTURE of our world.
AVERAGE UQ GRADUATE STARTING SALARY

$67,000

10 UQ GRADUATES IN LIST OF 100 MOST INFLUENTIAL ENGINEERS

Engineers Australia Top 100 list for 2015

Largest choice

OF ENGINEERING PROGRAMS IN QUEENSLAND

World class

ALL ENGINEERING DISCIPLINES RANKED WORLD-CLASS OR ABOVE

Excellence in Research for Australia (ERA) assessment

First Australian university

TO IMPLEMENT AN INTEGRATED BACHELOR/MASTER DEGREE IN ENGINEERING PROVIDING ADVANCED COURSE CONTENT

Exciting career opportunities

Discover the dynamic and adaptive career you can create with a UQ Engineering degree. From offshore oil and gas production facilities, and high-rise commercial buildings, to establishing software development companies and leading major design teams, as a UQ-qualified engineer you can drive innovation to shape the future of our world.

Challenge yourself

The 21st century is an era of great global and local challenges. Climate change and clean energy, reliable water supplies, infrastructure for growing populations, sustainable resource development, and expanding information and communication advances are some of the many ground-breaking opportunities for a new generation of engineers.

Exceptional opportunities

As a UQ Engineering student, you can participate in international robotics competitions, study tours to China, national mechanical engineering competitions, international space forums, biomedical and environmental engineering forums, mining games, and the Formula One style racing car competition where a group of students design, build and test a Formula SAE racing car. You also have the opportunity to join the UQ chapter of Engineers Without Borders and contribute to humanitarian engineering projects in developing communities. These are just some of the many advantages of being a UQ Engineering student.

Student societies

UQ Engineering has some of the most active student groups on campus, including many undergraduate engineering student societies. Student societies not only provide a voice for the engineering student community, but bring engineering students together through networking and social events. They also provide valuable opportunities to engage with industry – all of which serve to further enrich the engineering student experience.

International partner programs

In a first for Australian engineering education, UQ Engineering students now have the opportunity to complete multiple internationally recognised degrees during the course of their studies. We have established agreements with two institutions, the Écoles Centrales in France and Technical University Munich in Germany, providing you with a unique double degree program and experience. These qualifications, skills and experience will equip you with outstanding career prospects to work anywhere in the world.

The Écoles Centrales Program

Representing five of France’s elite Grandes Écoles, the engineering schools in the Écoles Centrales group offer world-class facilities, with campuses in Lille, Lyon, Nantes, Marseille and Paris. At the end of six years of study, you will be awarded a Bachelor of Engineering (Honours) and Master of Engineering from UQ as well as a Diplôme d’Ingénieur from the French institution. You must be able to speak French in order to participate in this program.

Technical University of Munich Program

The Technical University of Munich (Technische Universität München – TUM) provides you with a linked degree program where you will graduate with the integrated Bachelor of Engineering (Honours)/Master of Engineering from UQ, and a TUM Master of Science in Electrical Engineering and Information Technology degree.
FACILITIES

Our learning facilities provide technologically rich, flexible and comfortable social learning spaces for you to congregate, share ideas, help each other and socialise. Below are just a few of the areas in which we encourage you to think, explore and create.

The Advanced Engineering Building
The Advanced Engineering Building (AEB) enhances UQ’s ability to deliver practical, active learning styles for engineering students, and maximise global research opportunities that enable UQ to respond to major shifts in the world economy and global marketplace for innovative engineering solutions.

The $130 million building houses the state-of-the-art GHD Auditorium – a 500 seat lecture theatre supported by large-span timber trusses – as well as active learning laboratories, design studios and contemporary research facilities associated with global engineering research centres.

State-of-the-art equipment
Virtual Immersive Learning Facility
Powered by three high-powered digital projectors displaying onto an eight metre semicircular wall, this simulation facility enables you to experience what it feels like to be on-site at a coal mine, a building site or a chemical processing plant.

Hypersonic Expansion Tube
Travelling at several times the speed of sound is serious business for engineers designing materials for hypersonic space travel. As a UQ Engineering student, you’ll be able to test what happens up in space from right here on campus.
Yassmin Abdel-Magied is an offshore well engineer, a writer and a social commentator. She advocates for the empowerment of youth, women and those from diverse backgrounds. Yassmin graduated in 2011 with a Bachelor of Mechanical Engineering (First Class Honours), and won a Dean’s Excellence Scholarship. At 16, Yassmin founded Youth Without Borders, an organisation enabling young people to work for positive change in their communities. In 2007, Yassmin was named Young Australian Muslim of the Year and in 2010 Young Queenslander of the Year. In 2012 she was named Young Leader in the Australian Financial Review and Westpac’s inaugural 100 Women of Influence Awards. She serves on various state and federal councils.
University-led and industry-funded, UQ’s Women in Engineering (WE) Program is improving the gender imbalance in the sector by inspiring young women to consider a career in engineering.

There are many reasons why UQ is the University of Choice for women studying engineering:

• Connect with you before day one: If you are offered a place in Engineering at UQ, a WE Student Leader will call and talk to you about anything from studying engineering to student life at UQ.

• Welcome you from day one: We host an event specifically for first-year, female engineering students – meet other students in your cohort and get to know our WE Student Leaders.

• Help you find the right engineering for you: We host an event so you can talk to older students and find out more about the different disciplines to help choose your engineering specialisation.

• Get you industry ready: Our student events get you ahead of the game – learn everything you need to know about getting ready for industry placements and the workforce.

• Keep inspiring future generations: You can apply to be a WE Student Leader and be an integral part of our high school, university and industry activities and events.

• Have an open door: Please stay in contact throughout your degree, because we want to see all of your faces on graduation day.

Did you also know at UQ there are multiple scholarship opportunities, some specifically for women in engineering, that recognise and support your potential?

eait.uq.edu.au/engineering-scholarships

Like to know more?
E: we@eait.uq.edu.au
T: 3365 3934
W: eait.uq.edu.au/we
Facebook: UQWomeninEngineering

Proudly supported by our program partners:
ALICE NAUGHTON  
Bachelor of Engineering (Honours) Civil/ 
Bachelor of Commerce  
Current student

"The WE Program provides a platform for women to network, support and learn from each other. I am deeply grateful for the opportunities the program has offered me as a university student. It is my third year as a Women in Engineering Student Leader, because I want to keep giving back to this fantastic program. It is incredibly rewarding to be part of a program that is helping and inspiring prospective and current students as they embark on their engineering journey."
At UQ, you’ll learn how to create change. From the established civil and mechanical areas to the more recent environmental and biomedical fields, each discipline will lead to meaningful careers solving both global and local challenges.

Bachelor of

ENGINEERING
(HONOURS)

Why Engineering at UQ?

Engineers create practical solutions to the challenges facing the planet to improve the world we live in.

With a UQ Bachelor of Engineering (Honours) degree, you’ll be prepared with the knowledge and skills to make significant contributions to society and our community.

Our program offers:

• Queensland’s largest choices of engineering study areas
• a flexible first year for students who haven’t decided and wish to defer choice of an engineering major to second year
• excellent employment opportunities, strengthened by UQ’s world-class reputation
• award-winning lecturers, degree programs and researchers
• hands-on experience and strong links to industry and world leading research
• advanced theoretical knowledge and practical skills to meet industry needs.

What you will study

A UQ Engineering degree is dynamic and challenging. It provides a strong foundation in mathematics, science and engineering design, empowering you to meet the demands of the future.

You will build your understanding by applying basic science and engineering principles to engineering problems of commercial and societal importance. In addition to technical expertise, the program emphasises essential workplace skills such as communication, teamwork, project management, critical thinking and problem-solving.

As part of the Bachelor of Engineering (Honours) program you will major in one of the 18 engineering majors described on the following pages, all of which are accredited by Engineers Australia.

First Year Engineering

The flexible first year of UQ’s Bachelor of Engineering (Honours) offers you the opportunity to experience the many “flavours” of engineering before deciding on a major. This enables you to make a more informed decision on an area of engineering that is right for you.

Your first year will introduce you to the way professional engineers think and work through engineering design, physical prototyping and modelling. You’ll work in teams on discipline-based projects that can be scaled up and applied to real-life situations, such as creating a water purification system to supply potable water in third world countries, or developing a deployable bridge to be used in a natural disaster.

For further information on UQ’s dual programs, please see page 30.
UQ OP Guarantee Scheme
The University of Queensland’s OP Guarantee Scheme ensures students who achieve an OP score in the range of 1-5 (or entry rank equivalent) and have completed prerequisite subjects, are guaranteed a place in the Bachelor of Engineering (Honours), regardless of the published program cut-offs. The OP Guarantee is limited to the major QTAC offer round held in January, and some programs are excluded from the scheme.

Support for students
As a first-year engineering student, you’ll have exclusive access to the First Year Engineering Learning Centre, a social learning space equipped with the latest technologies and staffed by advisors. Academic advisors and tutors are available throughout semester and our staff provide support and advice to new students from their first year of study. Advice on transitioning from high school to university, as well as assistance for international students commencing study in Australia is also available. You can participate in our First Year Mentoring Program, where second-year engineering students pass on their knowledge and assist with the adjustment to university life. Other learning spaces are also available for later-year students throughout the engineering precinct.

MAX KOOPMAN
Bachelor of Engineering (Honours) Software
Google

“’

When it came time to apply for uni the choice for me was clear; I already spent every spare second programming, and I was truly lucky to get the chance to pursue it as a career. For me, I think I am drawn to the practical nature of Software Engineering, with every project bringing new and often unexplored challenges. I also love the fact that it can be applied to almost any field or industry, and can provide an almost instant tangible benefit.

I’ve been lucky enough to secure a job as a full time software engineer with Google, and I’m really excited about what the future will hold. I’m really excited to be thrown in the deep end and be surrounded by some of the best minds in the industry, not just at Google but in Silicon Valley as a whole.”
Our challenge was to engineer a solution to change lives

Jeremy, Elliot and Gavin’s final-year Bachelor of Electrical and Biomedical Engineering thesis led to Pepster, the world’s first digital breathing therapy device for cystic fibrosis. Paired with smartphones or tablets, Pepster allows patients to control video games with breathing exercises and lets clinicians accurately monitor their treatment. By learning to see the world differently, Jeremy, Elliot and Gavin are creating change.
The Bachelor of Engineering (Honours) majors include:
- Chemical*
- Chemical and Biological
- Chemical and Environmental
- Chemical and Materials
- Chemical and Metallurgical
- Civil
- Civil and Environmental
- Civil and Geotechnical
- Electrical
- Electrical and Biomedical
- Electrical and Computer
- Mechanical
- Mechanical and Aerospace
- Mechanical and Materials
- Mechatronic
- Mining
- Mining and Geotechnical
- Software**
*Minor in Food Engineering is also available. ** Minor in Data Science is also available.

Your Bachelor of Engineering (Honours) degree
Your engineering degree is made up of four distinct parts:

1. **Flexible first year**
   You will study foundation courses introducing you to the way professional engineers think and work, combined with engineering practice courses involving engineering design, physical prototyping and modelling – each incorporating different engineering disciplines.

2. **Engineering major**
   Choose a major and study courses specific to your career aspirations. There are 18 areas to choose from (refer to the table below and following pages).

3. **Consolidate your study**
   This is where you consolidate your learning in your chosen major to match your individual career goals.

4. **Apply your skills**
   Complete a research or industry-related project to apply the skills you’ve learnt throughout your degree.

The UQ Bachelor of Engineering (Honours) program offers 18 majors in engineering, along with a number of minors that can be added to broaden your area of specialty.
Gain a head-start in careers that require specialist skills and adaptability with UQ’s integrated Bachelor of Engineering (Honours) / Master of Engineering.

Why study the integrated Bachelor of Engineering (Honours)/Master of Engineering at UQ?

An exciting addition to UQ’s Engineering programs, the Bachelor of Engineering (Honours)/Master of Engineering (BE (Hons)/ME) is Australia’s first five-year, Commonwealth supported, engineering degree to integrate a semester-long industry or research placement into a degree with Masters-level coursework.

You will gain a head start in careers that require advanced knowledge and adaptability (e.g. in consulting, corporate/government advising or industrial research), or when applying for research higher degrees at the world’s top institutions.

The BE (Hons)/ME will prepare you to:
• secure globally competitive graduate positions and research higher degrees at the world’s top institutions.
• have the depth to be a technical leader in your area of specialisation
• have the breadth of experience to lead multidisciplinary teams.

What you will study

You will enrol and follow the same course outline as other Bachelor of Engineering (Honours) students for the first three years. You may also undertake a semester-long industry or research placement, either locally or overseas, during the fourth or final year, depending on your field of study. The fifth year will contain advanced-level specialist courses in your discipline area, design and research projects, and exposure to the grand challenges in engineering.

These courses are designed to provide specialist knowledge of the various disciplines and place you closer to the leading edge of technology. Industry needs graduates who can apply new technologies to existing and emerging industries. The Masters courses will give you a clear and demonstrable advantage when applying for jobs that require advanced skills and capabilities.

The courses will be delivered in a diverse range of styles. The placement semester will connect you with industry/research relevant projects.

The option for placement during summer holidays adds flexibility, meaning that many things are possible, including overseas placements or hybrid industry/research projects where you work in industry or at a research institute. Your interest and career ambitions will be the driving force behind what you choose to do.

UQ Engineering has a proud history of innovation and leadership in engineering education, and the BE (Hons)/ME program will continue to position UQ engineers as industry leaders, both in Australia and internationally. Our existing industry partners have shown great enthusiasm for this program as a way of developing outstanding engineers.
Scholarships
Scholarships may be available for industry placements, and UQ travel scholarships may also be available for an overseas placement.

HECS-HELP support
The program is currently HECS-HELP supported for the entire five years of study for domestic students, as it is for the four-year Bachelor of Engineering (Honours). This is a feature of an integrated Bachelor and Masters that does not exist for other postgraduate coursework degrees.

FIELD OF STUDY
The Bachelor of Engineering (Hons) / Master of Engineering fields of study include:
- Chemical
- Chemical and Biological
- Chemical and Environmental
- Chemical and Materials
- Chemical and Metallurgical
- Civil and Fire Safety
- Electrical
- Electrical and Biomedical
- Electrical and Computer
- Mechanical
- Mechanical and Aerospace
- Mechanical and Materials
- Mechatronic
- Software

PROGRAM PATHWAYS

BE (HONS)
Engineering courses with elective streams
Apply for entry to BE (Hons) / ME at end of third year or continue with BE (Hons)

BE (HONS) YEAR 4
Semester 1: Engineering courses, Design, Thesis and electives
Semester 2: Engineering courses, Design, Thesis and electives

BE (HONS) / ME YEAR 4
Semester 1: Engineering courses and electives
Semester 2: Industry/research placement or Engineering course elective

BE (HONS) / ME YEAR 5
Semester 1: ME level courses and electives or Industry/Research placement
Semester 2: ME Design/Grand Challenges/Professional Practice and ME level courses and electives
What you will study
Chemical engineers invent, design and manage products and processes that transform raw materials into valuable products such as petrol, plastics, instant coffee, pharmaceuticals and artificial blood. Using the latest knowledge of biology, chemistry and physics, chemical engineers ensure minimum loss of materials and consumption of energy.

In studying this major, you’ll have access to academic staff who are leaders in their fields, and who are working to find solutions to some of the world’s most demanding issues. Their research, coupled with strong industry connections, ensure our teaching remains relevant to industry standards and demands.

We firmly believe in providing you with hands-on experiences to build on this knowledge, including practical projects, guest lectures from industry, and placements and internships with leading engineering companies. Not only will you be job ready upon graduation, you will have also had the opportunity to make key industry connections.

Careers
Chemical engineers work in a wide range of industries, government departments and private consultancies. You can enjoy employment in areas including: environmental protection, management and safety; natural resource utilisation and the energy sector; chemical, petroleum and petrochemical industries; biochemical, biomedical and pharmaceutical industries; computer-aided process and control engineering; advanced materials design and manufacture; minerals processing and related industries; food processing and biotechnology; and product design and development.
**CHEMICAL AND BIOLOGICAL**

**What you will study**
Chemical and biological engineering, or bioengineering, combines chemical engineering with additional knowledge of how to engineer biological systems at a molecular, cellular and tissue level. Bioengineers typically design and produce biomolecules, cell-based products and tissues, and work in a broad range of industries and with a broad range of products, from renewable fuels and plastics to biopharmaceuticals and medical devices. Bioengineering at UQ is offered in conjunction with chemical engineering, and our graduates are fully accredited as chemical engineers. This is because in the workplace, bioengineers often have to step into traditional chemical engineering roles to help organisations and industries make the transition from chemical to biological processes.

**Careers**
Graduates are in demand for design, operations and management positions. There are also jobs in industry research and development, or, with further study, academic positions in biological engineering.

**CHEMICAL AND ENVIRONMENTAL**

**What you will study**
Chemical and environmental engineers are accredited chemical engineers who have additional technical skills in waste management and resource recovery, water treatment and sustainable energy systems. They use these skills to achieve cleaner production performance and to assess the long-term effects of proposed products, processes and developments. As a chemical and environmental engineer, you’ll apply, assess and communicate a wide range of approaches to the development of sustainable systems, including indicators of sustainability and different methods of community consultation and engagement. You’ll have specialist skills in modelling and in analytical measurement in laboratory and field/industrial settings, including basic sampling design and data analysis.

**Careers**
Chemical and environmental engineers are particularly sought after to work in the water, waste management, resource recovery, energy and sustainable practice sectors.

**CHEMICAL AND MATERIALS**

**What you will study**
Chemical and materials engineering combines chemical engineering with additional specialist study in materials engineering. Materials engineering is concerned with the selection, processing and development of materials to design and make products. Materials – metals, alloys, ceramics, polymers and composites – give manufactured products their functional and aesthetic qualities. Materials engineers apply their knowledge of the behaviour of materials to improve both the processing and the properties of a particular product. They work across a broad range of industries on everything from your phone screen and running shoes to aircraft wings and artificial skin.

**Careers**
Materials engineers are usually employed in the materials processing and manufacturing sectors, including the automobile, whitegoods, steel, aluminium and polymer industries. Employment can also be found in biomedicine and electronics, as well as in energy and heavy industries.

**CHEMICAL AND METALLURGICAL**

**What you will study**
The dual major in Chemical and Metallurgical Engineering provides an excellent broad education in chemical engineering and specialist skills in metallurgy courses. Metallurgical engineers play a key role in ensuring a sustainable society. Almost everything in the material world – including our major energy sources – is derived from minerals, or recycled metals and materials. Metallurgical engineers develop, design and carry out sustainable processes that transform raw materials into useful, high-value mineral and metal products. As a metallurgical engineer, you’ll also design metal parts, solve problems and work on major, high-tech projects with prospects for international travel. Metallurgical engineers often work closely with mining engineers.

**Careers**
Metallurgical engineers are usually employed in production operations, engineering design, consultancies, laboratories, marketing, finance and commerce, and in research and development.
What you will study
As a civil engineer, you’ll be an expert in the planning, design, construction and maintenance of major infrastructure and built environments. Civil engineers work on everything from buildings, bridges, roads and harbours to dams, airports, utility supply and public health, and create beautiful and sustainable facilities that are designed to meet the needs of society. Civil engineers understand how natural phenomena behave and solve environmental and technical problems relating to how water flows, how waves break, how rivers can be controlled, how rainfall and wind effects can be measured, and how buildings can resist loads. In the civil engineering major, you can study in areas including structural engineering, hydraulic engineering, transportation engineering, geomechanics, hydrology, construction, coastal engineering and economics.

Careers
Civil engineers mostly work in private industry; federal, state and local government; consulting engineering firms; construction companies; mining companies and research establishments in Australia and overseas. You can find yourself providing expert services to clients, advising financially and technically, and undertaking the planning, coordination and technology of projects, often from first concepts through to completion.
CiViL AND ENVIRONMENTAL

What you will study
The Civil and Environmental Engineering dual major is designed to equip you with the necessary knowledge and skills to design and build tomorrow’s integrated, multi-centred sustainable cities. In both the developed and developing world, new technologies and engineering solutions are needed for sustainable development. Many advanced economies have recognised the urgency of finding these solutions and are developing new “sustainable infrastructure” research initiatives. The Civil and Environmental Engineering major is made up of core courses from the Civil Engineering major and specialist environmental-systems engineering courses, which equip you with everything you need to address complex, international and multidisciplinary problems.

Careers
Civil and environmental engineers can find work across the private and public sectors. Civil and environmental engineers also develop sustainable buildings and precincts, create energy-efficient rapid transit systems and provide populations with water and energy security.

CiViL AND FiRE SAFETY*

What you will study
Fire safety influences almost every aspect of our built environment, from the design of industrial facilities and skyscrapers to the specific materials chosen to create cars and aeroplanes. The Civil and Fire Safety dual major combines civil engineering courses with the specialist study of fire safety engineering. It provides civil engineering students with the necessary skills and knowledge to develop a comprehensive fire safety strategy for a broad range of project types. Areas of study encompass the components of fire – including ignition and fire growth – and how structures respond to fire. The major also provides insight into design principles for fire safety engineering.

Careers
Civil and fire safety engineers are highly sought after by leading consultancies around the world to develop and design complex infrastructures using their specialised knowledge.

*Available only in the BE (Hons)/ME

CiViL AND GEOTECHNiCAL

What you will study
The Civil and Geotechnical Engineering dual major combines studies in civil engineering with additional specialist study and project work in geotechnical engineering. This major incorporates soil mechanics, rock mechanics and engineering geology, and will equip you with the expertise to approach complex, multidisciplinary problems involving earth materials. Civil and geotechnical engineers typically work on projects involving roads, landslides, pile foundations, excavations, spillways, tunnels and mining. The Civil and Geotechnical Engineering dual major is supported by a range of industry partners and you’ll learn from experts working in civil and geotechnical engineering.

Careers
Civil and geotechnical engineers work in a wide range of industries, government departments and private consultancies. Civil and geotechnical engineers can also work in design, operation, management, research and consulting, both in Australia and overseas.

SOFIE THIELEMANS (far left)
Bachelor of Engineering (Honours) Civil
Current student

“Participating in the Engineers Without Borders Humanitarian Design Summit, I travelled to Cambodia to better understand the role design and technology play in creating positive change within communities. During this trip I gained an insight into issues in developing countries, but most importantly how we can use ‘human-centered design’ to help solve these problems.

At the summit, we participated in a number of workshops based around development, human-centered design, cultural awareness, and even language lessons! With this base of new knowledge, we then went to a rural community called “Trapang Sangke” near the town of Kampot, four hours south of Cambodia’s capital Phnom Penh. The five-day community visit was definitely the highlight of the trip, as we got to visit households and communicate with villagers with the help of a translator. The knowledge we gained about their life and their ways of doing things was fascinating and invaluable.

Upon return to Phnom Penh, each group tied everything together into a design based on what we experienced in the community. On our last day, everyone presented their designs in front of our mentors, expat engineers and fellow students, but most importantly our community members – some of whom made their first visit ever to Phnom Penh, dressed in suits and carrying briefcases!”
What you will study
Electrical engineering is concerned with the design, construction, operation and maintenance of electronics and electrical energy infrastructure. This includes power generation and distribution, electrical installations in major building and mining projects, telecommunications infrastructure, aerospace and defence systems, medical imaging systems, and industrial and scientific instrumentation and control.

A vital feature of the program is its practical component. Through hands-on experience, you will learn the technical skills necessary to find solutions to a surprising range of challenges. From industrial to personal, you will be prepared to discover novel and unexpected ways to improve the quality of life and better protect the world’s assets. Our graduates are in high demand. If you choose to study here, you will develop a combination of specialist skills and knowledge to make innovative contributions to our community.

Careers
You can enjoy a career in innovative environments, designing cutting-edge products and solutions for the power, information and communication industries. Career opportunities are found in the telecommunications and microwave industry, mining and transport sector, power generation and transmission industries, and in the government and defence sector. Many of our graduates establish their own companies quite early in their careers, or are working overseas.
ELECTRICAL AND BIOMEDICAL

What you will study
The Electrical and Biomedical Engineering dual major combines studies in electrical engineering with additional specialist study and project work in bioengineering. Biomedical engineering bridges the gap between technology, medicine and biology. It integrates physical, chemical, mathematical and computational sciences, and engineering principles, with the ultimate goal of improving healthcare through advanced technology. From your first year, the dual major in Electrical and Biomedical Engineering builds foundational knowledge in engineering, mathematics, biology and physics. This is followed by more advanced coursework and laboratory training, combining engineering analysis and design techniques with the biology and physiology of cells and organisms.

Careers
Electrical and biomedical engineers are involved in the design, construction and development of health and monitoring devices or diagnostic systems (such as CT, MRI or ultrasound), and therapeutic systems (such as surgical lasers and tissue engineering). Our graduates also work with computer models of the human body (such as the virtual heart project), and with prosthetics and implants (such as cardiac pacemakers, defibrillators and artificial organs). Employment opportunities include hospitals, biotechnology companies, medical equipment manufacturers, research institutes and government health departments.

ELECTRICAL AND COMPUTER

What you will study
Computer engineering encompasses hardware, software and systems – how to build a computer-based device, how to program it and how to connect it to other devices to work together. Computer engineers are typically associated with the production of devices like iPads, laptops or PCs, but also play a vital role building computers that control machinery, medical instruments, cars, whitegoods, robots, communication equipment and satellites. As an Electrical and Computer Engineering student, you’ll learn about electrical engineering, computer engineering and information technology, while at the same time developing the advanced skills of a professional engineer.

Careers
As an Electrical and Computer Engineering graduate, you’ll have all the employment opportunities of a computer engineer, as well as further possibilities as an electrical engineer. Electrical engineers with in-depth knowledge of computer systems are in demand in every industry where advanced electrical and electronic equipment is designed, upgraded or even maintained. Our graduates have been employed as designers of electronic and computer hardware, as system integrators who build equipment requiring computer control, and as programmers who design and implement applications, ranging from software for embedded microcontrollers to the software used in information terminals.

Electrical engineers are crucial in advancing key challenges facing the 21st century:

ENERGY
INFORMATION
HEALTH
What you will study
Society relies on mechanical engineers to help us use the earth’s resources effectively and responsibly. Mechanical engineers design, manufacture and control all types of things that move. That includes everything from air, heat and energy flows to vehicles, devices and machinery. If there is a problem or a need to do things better, a mechanical engineer will identify, analyse and implement a solution. Mechanical engineering is one of the broadest areas of engineering activity.

Careers
Mechanical engineers are employed in diverse industries including the automotive, aerospace, environmental, medical, power generation and building industries to name a few. Our graduates work in design and development, testing and manufacturing, consulting firms, government agencies and educational institutions.

Employment opportunities in Australia and overseas range from very large mining, refining, construction and manufacturing companies to small companies in which you might be the only engineer. Some graduates start their own companies soon after they have gained the experience required to become a Chartered Professional Engineer (CPEng).
MECHANICAL AND AEROSPACE

What you will study
The Mechanical and Aerospace Engineering dual major combines courses in mechanical engineering with additional specialist study and project work in the aerospace and aviation industry. Aerospace engineering is concerned with the design, manufacture and operation of aircraft, launch vehicles, satellites, spacecraft and ground support facilities. It is a particularly sophisticated and innovative discipline because it involves designing aircraft and spacecraft that are lightweight, but extremely strong. All students study aerospace propulsion, design and manufacturing, and then specialise in either the aeronautical or space engineering streams to obtain their dual major. You can study topics including flight mechanics, aerospace composites, space engineering, hypersonic aerodynamics and computational fluid dynamics.

Careers
Our graduates work in design and development, testing and manufacturing, consulting firms, government agencies and educational institutions. Employment opportunities in Australia and overseas range from very large aerospace, automotive, building, construction and manufacturing companies to small companies where you might be the only engineer.

MECHANICAL AND MATERIALS

What you will study
The Mechanical and Materials Engineering dual major combines studies in mechanical engineering with additional specialist study in materials engineering. Materials engineering is concerned with the selection, processing and development of materials to design and make products. Materials – metals, alloys, ceramics, polymers and composites – give manufactured products their functional and aesthetic qualities. Materials engineers apply their knowledge of the behaviour of materials to improve both the processing and the properties of a particular product. They work across a broad range of industries on everything from your phone screen and running shoes to aircraft wings and artificial skin, and in conjunction with mechanical engineering improve the performance of machines and structures.

Careers
Employment opportunities in Australia and overseas range from very large mining, refining, construction and manufacturing companies to small companies.

MECHATRONIC

What you will study
Mechatronic engineers integrate mechanical engineering with electronics, computer systems and advanced controls in order to design and construct products and processes. Mechatronic engineers are typically involved with the design of automated and intelligent machines, including artificial intelligence systems, robotics, automated industrial machinery, and avionics, and are employed in areas including research and development, mining, aerospace and defence, or by government and industry groups. This major provides a broad-based education in the basic principles of electrical, mechanical and computer engineering. A large number of electives cover areas including engineering analysis and design; engineering mechanics; dynamics and automatic control; signals and communication; and electrical hardware and computer software.

Careers
Mechatronic engineers work in multidisciplinary design teams in industry, manufacturing, and research and development. Mechatronic engineers are needed wherever there is potential for improvement through the integration of computer and electrical hardware with mechanical systems.

ALEX MOORE
Bachelor of Engineering (Honours) Mechanical / Bachelor of Commerce
Current student

“I chose to study at UQ because of their high status and their methodical approach to first year engineering. There is a lot of support in first year and getting you through the change to university lifestyle.

I think what I enjoy the most about university is everything else that happens around the program. The opportunities to study abroad and to work on extra projects with fellow students and academics make it seem not so much of a task to get a degree, but a bit of an adventure instead.

While studying my undergraduate degree, I’ve had the opportunity to travel all over Cambodia with Engineers Without Borders Australia. The idea of learning about different cultures while travelling was amazing. You don’t necessarily feel like you are learning because you are so immersed in different things around you, but you come home with so many new skills and knowledge of cultural diversity.”
MINING

What you will study
Mining is essential to the modern lifestyle that we enjoy today: just think of the number of mineral elements that go into making a smartphone. Mining engineers are concerned with the stewardship of the earth’s limited mineral resources. They oversee the extraction of valuable minerals from the ground using safe and environmentally responsible methods. Mining engineering covers all phases of mining operations, from exploration and discovery, through feasibility, development, production, processing and marketing, to mine closure and rehabilitation.

Mineral engineers assess whether a new mineral discovery is of sufficient size and quality to warrant the costs of extraction, transportation and marketing. The mining industry is highly mechanised, highly automated and capital-intensive, and uses the most sophisticated technology available. The Mining Engineering major integrates theory with practice and involves advanced mathematics and earth and engineering sciences.

Careers
Minerals and energy commodities account for over 50 per cent of all Australian goods and services exports. The developing world will continue to need minerals and energy, and mining engineers who can apply new thinking to 21st century challenges. Graduate employment opportunities remain positive, with a recent Graduate Careers Australia survey reporting 82.8 per cent of all graduates surveyed in 2014 found full-time employment. Most mining engineers are employed by mining and contracting companies, initially at the mines where minerals such as gold, silver, copper, lead, zinc, uranium ores, and coal are extracted. Some mining engineers choose to specialise in operations while others, such as technical specialists and senior managers, move to the major cities where head offices tend to be located. Mining engineers often work for international companies, leading to opportunities for overseas travel and employment.

Minerals and energy commodities account for MORE THAN 50% of all Australian goods and service exports.
MINING AND GEOTECHNICAL

What you will study
The Mining and Geotechnical Engineering dual major combines studies in mining engineering with additional specialist study and project work in geotechnical engineering. This specialisation incorporates soil mechanics, rock mechanics and engineering geology, and will equip you with the expertise to approach complex, multidisciplinary problems involving earth materials. Mining and geotechnical engineers typically work on projects involving roads, excavations, tunnelling and mining. The Mining and Geotechnical Engineering major is supported by a range of industry partners and you’ll learn from experts working in mining and geotechnical engineering.

Careers
Graduates can enjoy employment in mining and geotechnical engineering consultancies, mining companies, and civil and mining contractors. You can also work in design, operation, management, research and consulting in Australia and overseas.

SOFTWARE ENGINEERING

What you will study
Software engineers design, develop and manage software systems. As our society becomes increasingly reliant on technology, and computers become integrated into machines and products from fridges to cars, one of our biggest challenges is how to create the necessary software to make computers useful. Software engineers use principles of computer science, engineering, design, management, psychology, sociology and other disciplines to design and manage large software systems. Team and individual projects are a focus of this major, which is an approach valued by our industry partners – and your future employers.

Careers
A career in software engineering will position you to work and collaborate in small and large multinational companies, and start-ups, as well specialised consulting organisations. You can find yourself designing and developing software for such things as GPSs, mobile devices, operating systems, web applications and enterprise systems.
ENGINEERING DUAL PROGRAMS

Dual programs offer the opportunity to combine different areas of interest and enable you to complete two degrees in a shorter amount of time.

A dual program gives you the flexibility to study several areas of interest at once. The additional knowledge and skills gained give you a competitive edge in the workplace and significantly broaden your career possibilities. Dual programs can also be completed more quickly than two separate degrees, as students complete the core components of each program.

In some programs you can choose to undertake additional courses during the summer semesters to finish the program even quicker – by up to one semester.

Engineering (Honours)/Arts
Program duration: 5.5 years
This program allows combinations of the humanities and engineering. It is an excellent plan if you wish to combine languages, cultural studies and the behavioural sciences.

Engineering (Honours)/Biotechnology
Program duration: 5.5 years
By combining these degrees you will be provided with an ideal combination of skills for the production side of modern biotechnology. This program is available with the BE (Chemical Engineering) and BBiotech (Process Technology) only.

Engineering (Honours)/Business Management
Program duration: 5.5 years
By combining these two areas of study, you will attain not only a high level of engineering proficiency, but also gain additional valuable knowledge and skills to assist in effective and successful business management.

Engineering (Honours)/Commerce
Program duration: 5.5 years
By combining these two areas of study in a dual degree, you will be given a focused background in commerce, along with specific practical and theoretical understandings relevant to your chosen field in engineering.

Engineering (Honours)/Economics
Program duration: 5.5 years
An excellent combination if you want an option of working in business or government interfacing with engineering and technology-based industry.

Engineering (Honours)/Information Technology
Program duration: 5.5 years
Ideal if you wish to combine the theory and practice of modern computing with another field in engineering. This program is available with some dual and extended majors, and all single majors except Software Engineering.

Engineering (Honours)/Mathematics
Program duration: 5 years
Create a strong mathematics base for your engineering studies and equip yourself to work in both established and emerging areas of engineering.

Engineering (Honours)/Science
Program duration: 5 years
Engineering and science are complementary areas of study. Engineering considers the practical and useful applications of scientific knowledge. Science is about understanding the natural and physical world. This dual degree provides you with an extended science base for engineering if you are interested in knowing more about the science and mathematics underpinning engineering.

Note: All dual programs are available with all single majors unless otherwise indicated. Engineering dual or extended majors are only available within the Bachelor of Engineering (Honours) or Bachelor of Engineering (Honours) / Bachelor of Science or Bachelor of Engineering (Honours) / Bachelor of Mathematics or (for some majors) with the Bachelor of Engineering (Honours) / Bachelor of Information Technology.
Social entrepreneur Lucas explained that while it seems his UQ engineering degree might not necessarily be directly related to his charity, he feels that he draws on his skills every day.

“At the core of engineering is creative solutions and solving problems that have been looked at the same way for a long time. The fact that we have no background in social work means we’re looking at things through different eyes with a different perspective on an industry that’s been looked at the same way for a long time. We’ve shaken things up.”
ARCHITECTURE AT UQ

Our internationally recognised and accredited programs will prepare you with the skills and qualifications you need to make the world’s better places.

Courses that reflect the DYNAMIC NATURE of professional architecture
Highly awarded teachers
You will be taught by a mix of internationally renowned scholars, experienced practitioners and talented architects. UQ Architecture Professor Paul Memmott was awarded the Neville Quarry Architectural Education Award in 2015 — the highest accolade for teaching from the Australian Institute of Architects. Professor Memmott is just one of the many high calibre teachers in the School. Our academics have won numerous awards for their excellent teaching. Our teachers have also received competitive grants to develop innovative teaching materials, including a current project for teaching technology that will visually reveal the construction process in three-dimensional space and through time. Our commitment to teaching guarantees that your experience will be rich and varied.

Diverse opportunities
UQ’s School of Architecture offers courses that reflect the dynamic nature of professional architecture and help you realise your potential to make a positive contribution to shaping our built environment and culture. Over the course of your degree you will have opportunities to get hands-on involvement in community-based projects with real clients. You will also have the opportunity to travel and study overseas. In 2015 our students were funded to take field trips to Sri Lanka, Hong Kong and Japan.

Quality programs
UQ Architecture is one of Australia’s leading institutions for architectural education and research. Our comprehensive two-tier program is professionally accredited and consists of a three-year undergraduate degree (Bachelor of Architectural Design) and a two-year professional entry coursework degree (Master of Architecture).

Our degrees are aligned with international benchmarks in architectural education and incorporate the requirements for your future registration as an architect. The structure of our studio-based design courses ensures that you have choice and the ability to develop areas of special interest. UQ Architecture is ranked in research excellence (ERA) in the top four universities in Australia, ensuring that your curriculum is underpinned by new knowledge.

A bright future
Our graduates become registered architects and can be found leading major design practices in Australia and abroad. Our alumni are also editing Australia’s premier architecture journal, managing property development and building companies, and working as architectural photographers and visualisers. We are proud of our alumni and celebrate their successes.
Contribute to our built environment with a strong understanding of architectural design and communication, history, society and technology.

What is Architectural Design?
Conceiving new buildings requires that you learn to think spatially and communicate convincingly through drawings and models. Through design you will test your imagination and propose environments for living, working and playing.

Architectural design requires a synthesis of ideas that respond to client and community needs, and an inherent concern for the quality of living and working environments.

Practical experience
The main area of study in the Bachelor of Architectural Design is the design courses, where projects are developed in a studio setting, through the application and integration of the knowledge and skills acquired from supporting courses.

In addition to design, key areas of the program include environmental design, architectural technology, history and theory, communication and digital design.

Aims and specific objectives
On completion of the Bachelor of Architectural Design you will be able to:
- utilise conceptual ideas to design the built environment at all scales – from broad strategic thinking to the detailed resolution of buildings
- present and discuss architectural design outcomes with peers, the profession and the community
- articulate a coherent set of architectural design values.

COURSES

Year 1
Architectural Design 1
Buildings in History and Culture
Architectural Communication 1
Architectural Design 2
Architectural Technology 1
Architecture in the Western Tradition

Year 2
Architectural Design 3
Architectural Technology 2
Architecture in Society
Architectural Design 4
Architectural Technology 3
Modern Architecture and the Metropolis

Year 3
Architectural Design 5
Architectural Technology 4
Architectural Design 6
Architectural Technology 5
Two of four electives:
- Architecture in Asia
- Aboriginal Architecture
- Theories in Architecture

Career opportunities
Graduates have employment opportunities with architects and in allied design professions, government departments, statutory bodies, local authorities, commercial development companies or research organisations.

International experience
The UQ Abroad program provides you with an opportunity to study for one or two semesters overseas and experience other cultures and approaches to architecture, as well as improving your foreign language skills.
When I moved to Australia from the Middle East in grade four, my parents decided they would buy me LEGO sets if I got top grades, and my interest in architecture grew from there. This interest transformed into a dream. It became such a strong passion that the decisions I made in regards to education since primary school were directly related to how it would affect my future as an upcoming architect. Straight out of high school I enrolled in Architecture at UQ. It’s been two years now. The close friends, the experiences and knowledge I’ve gained have cemented my passion. I’ve always been keen to learn more and try out new things, so this year I went to work for Shane Thompson Architects, and I have also taken on the responsibility of being the UQ representative for the Institute of Architects’ Student Organised Network for Architecture (SONA)."
Bachelor of Architectural Design, Newspaper and Reading Room, John Buttersworth.
Bachelor of Architectural Design, Infrastructure as Artefact – Sporting Complex, Prithwi Chakraborty
Bachelor of Architectural Design, Library Tower, Hayley Kastelein
International Opportunities

UQ and the School of Architecture offer you many options for overseas experiences, such as field trips, exchange programs and UQ Abroad.

An international discipline
We strongly encourage you to undertake an overseas experience as part of your studies with the School of Architecture. The UQ Abroad program offers you the exciting experience of studying overseas for up to one year on exchange, while gaining credit toward your degree.

Overseas study can be undertaken in either the Bachelor of Architectural Design or the Master of Architecture. The University has exchange agreements with almost 200 universities in 40 countries, including the US, the UK and France.

Why go overseas?
Spending part of your program overseas opens up an exciting array of opportunities you may never have thought possible, and is especially beneficial when combined with foreign language skills that you have learnt. Some benefits of having an overseas study or work experience include:

- **Professional Benefits**
  - broaden the scope of your degree
  - gain a different perspective on your field of study
  - discover new career opportunities
  - improve your foreign language skills.

- **Personal Benefits**
  - experience a different culture first hand
  - increase your understanding of the world and gain a global outlook - a quality highly regarded by employers
  - make life-long friends from different parts of the world
  - learn more about yourself and your capabilities
  - study and gain employment overseas.

Travel Abroad Design Studios
In the last four years UQ has received more than $215,000 in federal government funding to take more than 80 architecture students to Japan, Hong Kong, Sri Lanka and Malaysia.

In 2015, a group of UQ Architecture students travelled to Sri Lanka on a New Colombo Mobility Grant. The trip was part of the studio design course Clients and Culture. The fortunate 16 architecture students were selected from the third-year architectural design course, which is part of the Bachelor of Architectural Design program. In addition to visiting sites of contemporary and traditional architecture, the UQ students worked together with students from the City School of Architecture in Sri Lanka to develop housing schemes for a marginalised community in Colombo. In this direct study of housing, students explored ideas and practices related to housing design that supports the particular social and cultural needs of low-income Sri Lankan communities. On a visit to Galle, the group also visited communities rebuilt after the 2004 tsunami.

Additionally, the group had the opportunity to visit the house of renowned architect Geoffrey Bawa, which is a site of pilgrimage for architects the world over. The trip allowed students to be fully immersed in both culture and place, providing them with a deeper understanding of the social implications of architecture.
I recently returned from an overseas study exchange in Lund, which is a small student town in the south of Sweden. One of the key reasons that I chose to study in Lund was to participate in their Cultural Heritage Design Program. Unlike Australia, Sweden works with buildings that are several hundred years old, and we were working with buildings that were built in the 1100s.

Throughout the five months that I was there, I was able to appreciate the multidisciplinary approach that must be adopted with heritage design and when designing for a climate very different to tropical Queensland. Whilst participating within this design course I also enrolled in a Scandinavian Architecture elective; both courses had extensive study trips that allowed me to travel throughout Scandinavia and experience first-hand architecture that I had only previously seen images of. Furthermore, Lund was also an ideal location for doing weekend travel trips, and I was able to travel around most of Europe throughout my studies.

Alongside travel, one of the best things about studying overseas was all the people I met. Because Lund has so many international programs, I was studying alongside people from all over the world. Not only was I able to make some great friends, but also I was able to develop my architectural skills through collaborating with designers who had different cultural influences, design processes and skills. I think that doing an exchange allowed me to develop both professionally and personally, and I would recommend this as an experience that everyone should sign up for at some point in his or her degree.

HANNAH RENSHAW
Bachelor of Architectural Design
Current student
UQ Architecture does more than teach and research. We curate national and local exhibitions and conferences, and host lecture series, symposia and other events that advocate for architecture and design.
Student exhibition

The School of Architecture’s annual exhibition allows students to showcase their work and network with professional architects.

Students present their drawings, models and computer simulations at this annual event. The exhibition also allows professional architects and alumni to meet the next generation of UQ architects, and forms an important part of professional training for your future career as an architect.

Our exhibition is annually sponsored by leading practices and businesses. Our primary exhibition sponsor is Cox Rayner Architects. The 2016 Exhibition will be held in early December at the UQ School of Architecture and is open to the public.

UQ Architecture Lectures

Each year the School of Architecture, in collaboration with the State Library of Queensland’s Asia Pacific Design Library, coordinates a lecture series featuring internationally renowned speakers, which inspires and provides insights into the design processes and solutions of contemporary architects.

The lecture series is not just about presenting established superstars, but discovering rising ones, engaged in the generation of new knowledge.

The 2016 series included speakers from South Korea, Japan and Malaysia. For more information on the lecture series, visit architecture.uq.edu.au/events

Birrell Scholars opportunities

The School offers the academically high achieving Birrell Scholars a number of opportunities designed to connect students with the architectural profession as well enrich their learning experiences.

In 2015 the Birrell Scholars visited the HASSELL studio, where architects from five practices joined them. During the afternoon, students had the opportunity to present their recent design work, discuss employment opportunities and learn more about the participating practices.

In 2015 a group of students, led by alumnus Kim Baber, extended their interests in digital fabrication and design with the design and construction of a set of inhabitable sculptures in Fish Lane, South Brisbane.
Winter Sleep-out
In August 2015, UQ Architecture students, alumni and staff “slept-out” to raise money to combat homelessness. The School teamed with local women’s homelessness charity, Second Chance Program, and Wandering Cooks in West End.

The efforts raised approximately $18,000 for Second Chance, who report that they have been able to continue funding their program to assist homeless teen mums based on this donation. UQ Architecture lecturer Michael Dickson said that both the charity and students benefit from this event. “We teach students about homelessness in academic subjects, but giving them the opportunity to hear from Second Chance about the very real difficulties that their clients face and how they can make a difference in their lives is important too. We want students to go out and become practitioners who make a difference.”

Social Outreach Studio
In partnership with communities in Queensland and the Asia-Pacific, the UQ Social Outreach Studio supports current architecture students to deliver – through great design solutions – real benefits for people facing social or economic disadvantage.

In a Social Outreach Studio you will have the opportunity to work in remote and regional areas. As a student architect, this will help you learn to meet different project challenges and needs that are often unseen.

When students participate in a Social Outreach Studio design course, there is funding to help with the cost of materials, travel and exhibition in the kinds of areas where the School works and has success, such as rural, Aboriginal and Pacific Island communities.

SOCIAL COMMITMENT

At UQ Architecture you will learn to design with an awareness of people’s needs, with a respect for the past and a vision for the future.

The built environment influences our everyday lives, including how we interact with others, and how healthy and happy our lives are. Led by research into the ways in which architecture can build communities and utilise sustainable strategies, you will learn how to be an agent of change.

Through collaboration with industry colleagues, you will investigate solutions to social problems and ways in which architectural design can effect social change. You will also meet real clients and visit built exemplars.
UQ Architecture emphasises the importance of practical skills so that you can realise your most imaginative ideas through models, sculptures and structures.

Working physically with materials gives you the confidence to experiment in a unique manner. Our studio teaching model recognises that architectural ideas are best tested by hands-on construction at multiple scales.

Our curriculum and facilities are designed to support you, from the making of models to furniture, and the construction of small structures. You will be taught by academics and architects whose work explores the potential of new digital technologies of fabrication and new materials along with traditional methods.

In our studio courses you will work back and forth between drawing and making, thinking and talking, presenting your ideas and receiving helpful advice. Learning to communicate your vision is a central part of the course and one that our students excel in, regularly winning prizes and invitations to exhibit their work.

At the end of each semester we invite architects, our Adjunct Professors and clients to review your work and give you feedback. This is a great opportunity to demonstrate your design ideas and become part of the architectural community.

LEARN BY MAKING

Sulcus Loci Installation
Sulcus Loci was an immersive interactive installation designed and built by students from the Faculty’s Interaction Design and Master of Architecture courses in collaboration with sculptor Svenja Kratz and composer Eve Klein. It was built in our CoLAB for an exhibition at the State Library of Queensland.

Students worked with architect Kim Baber in a research studio studying ‘Optimised Geometries’. Students undertook a series of hands-on studies with soap bubbles, t-shirt fabric and plaster models, followed by detailed exploration using digital modelling software.

Sulcus Loci showcases the impressive image library generated by researchers of Queensland Brain Institute’s Microscopy Unit. The final form of was a response to naturally occurring patterns and ordering systems like those within the human body.
FACILITIES

UQ Architecture’s practical and virtual learning laboratories allow you to indulge your imagination and help you to see your ideas come to life.

Studios
Studio-based design courses make up half of your curriculum. They take place in studios that are available to you at each level of the program as a home base for your studies. Our studios enable you to work with friends on collaborative projects, to learn from what each other is doing, and to carry out large and messy projects that you could not do at home.

All studios are equipped with storage, computers and printers, as well as wi-fi for you to access the internet with your laptop.

The design studios are available 24 hours a day, seven days a week.

Laboratories
The Collaborative Design Laboratory provides facilities and materials for the construction and testing of building components and structural elements, as well as architectural and structural models.

To support your coursework and research studies, our computers are regularly updated to meet the latest hardware and software requirements. Comprehensive visualisation and modelling software for architectural studies are available including Autodesk suite with Revit, Autocad, 3D Studio and Maya, Rhino, Archicad, Microstation, SketchUp, Adobe Creative Suite and Office Suite.

UQ provides students with free email accounts and internet access, and you can also check online for the availability and lab status of computers.

Workshops
The model-making and joinery workshop offers the latest technology, allowing you to make prototypes from model scale to full scale. All new students are given a comprehensive induction to the workshop, to ensure they can use the available equipment safely and proficiently.

The workshop is equipped with a full range of timber working equipment, with a wide range of fixed and portable tooling, a CNC flatbed router, three laser cutters, ceramic powder printer, 10 desktop 3D printers and two robot arms.

We also have a comprehensive range of laser scanners for you to use in research and design. These cutting-edge tools allow you to capture environments in 3D and produce point clouds that can be implemented into CAD software for visualisation or manipulation.

The workshop makes available a wide range of model-making materials, as well as being serviced by two full-time, highly qualified technicians with the backing of the full faculty workshop resources.
BECOMING AN ARCHITECT

Following the completion of your Bachelor of Architectural Design, become a registered architect with UQ’s Master of Architecture.

Master of Architecture
The Master of Architecture is the second stage of UQ Architecture’s program, providing you with the necessary skills, experience and qualifications for your registration as a professional architect. You will undertake a range of courses designed to broaden your creative design skills, and develop advanced technical and professional skills relevant to the practice of architecture.

Students often choose to spend a year or more working in an architectural practice to gain professional experience before returning to complete their Master of Architecture.

Career opportunities
The Master of Architecture is a requirement for registration as an architect. Graduates must undertake two years of practical experience before they can legally practice as architects, and pass the Architectural Practice Examination of the Board of Architects of Queensland. Employment opportunities include, but are not limited to, positions in architectural offices, consultancies related to the built environment, and academic teaching or research positions.

Professional affiliations
On graduating from the Bachelor of Architectural Design degree, you may be eligible for membership with the Australia Institute of Architects.

QUOC ANH HO
Master of Architecture 2015 graduate and valedictorian
Conrad Gargett, Brisbane

“I chose to apply to UQ because of its strong reputation for high academic standards and research.

I was fortunate enough to be granted the School of Architecture’s International Fee Waiver Scholarship, which covered 50 per cent of the cost of my tuition while studying at UQ. I travelled from my home in Vietnam to come live and study in Brisbane. Moving internationally meant that I had to work while studying in order to support myself. I was incredibly lucky to secure a position with architecture firm Conrad Gargett, allowing me to work three days a week in order to support myself and gain professional experience while doing so. Despite working three days a week, I remained incredibly committed to my studies, and was accepted into the EAIT Scholars Program as a Birrell Scholar. I also received a Dean’s Commendation for Academic Excellence in 2014, as well as two UQ Summer Research Scholarships.

I really enjoyed the curriculum, because it provided a mixture between design studios and practical subjects. Throughout my time at UQ, I had numerous opportunities to work closely with great academics, not only within my curriculum, but also in activities such as the summer research program. UQ’s architecture academics provided me with the confidence to enter the professional architecture industry, and encouraged me to undertake my own academic career.

UQ allows you, as a student, to really gain the whole ‘student’ experience – meaning that it doesn’t begin and end with your traditional classroom lessons. Aside from studying, I participated in many extra-curricular activities, all of which made my study experiences at UQ much richer and more valuable. Furthermore, working part-time helped me to obtain a better understanding about my profession, and allowed me to apply my academic knowledge to industrial practice.

UQ has a great connection with industry, which really benefits students in finding a job during and after study. I’m excited to see where my architectural career will take me!”
INFORMATION TECHNOLOGY AT UQ

At UQ we know what it takes to blaze the next trail in IT. Get the solid tech foundations and skills the industry demands, and become part of the creative, vibrant and important world of technology.

TOP-TIER OF GLOBAL UNIVERSITIES

UQ IT programs ranked 49th in the QS World University rankings, the only Queensland university to appear in the top 100.
Industry-focused programs
In a progressive and innovative industry such as IT, requirements are constantly changing. To ensure you graduate with current and relevant skills, we develop our programs in consultation with industry leaders via an Industry Advisory Board. You’ll be prepared to respond to constant progression and understand the many facets of IT.

Teaching excellence
Our award-winning teaching staff have helped make UQ one of the top teaching and learning institutions in Australia. UQ’s IT programs feature in the top tier of global universities, ranked 49th in the QS World University rankings – the only Queensland university to appear in the top 100.

Go global
Be part of a truly international discipline and enjoy a career that can take you anywhere.

Practical experience
At UQ, we focus on making you workplace-ready. Many of our programs offer industry placements that not only count as part of your degree, but allow you to gain valuable experience and network with potential employers. You’ll graduate confident and ready to commence your dynamic career in IT.

Learning
UQ offers a wide range of IT majors within the Bachelor of Information Technology, and you can also include IT majors as part of an Engineering degree. You’ll be prepared to work with current technologies and programming languages, as well as those that haven’t been developed yet.

Studio-based learning
UQ’s studio approach to learning involves group work, problem solving, virtual and physical prototyping, peer review, presentations and portfolios. IT professionals work in multidisciplinary teams whilst addressing open-ended, real-life design projects. At UQ, we simulate this environment by giving you the opportunity to undertake at least four studio project subjects across your degree. You will integrate and reinforce your learning by applying knowledge. That approach to learning is firmly embedded in the Bachelor of Information Technology.

Industry lectures
Each semester, guest speakers from the IT industry visit the UQ campus to talk about their work and the latest IT trends. Guest speakers from past semesters include IT professionals from Google, Suncorp and software provider SAP.

Facilities
Our learning facilities provide technologically rich, flexible and comfortable social learning spaces for you to congregate, share ideas, help each other and socialise. Below are just a few of the areas in which we encourage you to think, explore and create.

Studies
- laboratories and workshops to support prototyping in design projects, including 3D printing, laser cutting, professional image and video editing software, and a multitude of sensors and microelectronic devices
- dedicated student spaces with 24 hour access for collaborative work and individual study

Virtual
- computer and network infrastructure with gigabit/s connectivity, large-scale disk storage, and several high-end multi-processor servers
- high-speed wireless networking
- dedicated team of technical support staff
- self-directed study area where you can plug in your own computer any time
- access to the internet, laser printing, photocopying facilities and large-scale print facilities
- access to industry-based software such as CORE, one of the tools used in the Boeing Systems Engineering Teaching Laboratory.
One of the highlights during my time at UQ was the Physical Computing and Interaction Design Exhibit. Our team created an interactive installation of a tree. We worked with sensors, lights and sound, and put the tree together for the first time on the night before the exhibition. This was one of the best projects I’ve ever worked on, with one of the best teams I’ve ever worked with. To this day, I am still searching to have that feeling again, working on the right project with an amazing team.

My experiences at UQ gave me the confidence to build a great team and create products from inception to delivery, to bring about a positive change to the world. My aspirations and life goals were made clear to me while I was studying at UQ and being surrounded by supportive people.

Now, I’m the UX Designer for SMG Technologies. I am responsible for designing the software products of SMG Technologies – data analytics platform, sports management software, tablet app and gym management software. I work closely with sports scientists, data scientists and business analysts to design the user experience and user interface of the products. I also design and develop prototypes that are tested and demonstrated to our customers.

As for advice for future students I’d say, your time at university is the time to take risks and be bold. Take on the grandest challenges and create the wackiest products. You may not get the chance to do this again and you might miss out on experiencing something invaluable – dreaming bigger than what your imaginations can reach and creating an exciting future.”

HANS BARROGA
UX Designer in SMG Technologies, Brisbane
INDUSTRY CONNECTIONS

Enhance your student experience through direct access to potential employers.

UQ Innovation Showcase and Interaction Design Exhibit
You’ll have the chance to showcase your final year project at the annual UQ Innovation Showcase and Interaction Design Exhibit. Business and government representatives attend both events, providing a unique opportunity for industry to interact with UQ IT graduate talent.

Cooperative Education for Enterprise Development (CEED) Placement Program
The CEED Placement Program integrates industry-based training with the Bachelor of Information Technology by allowing students to complete their final-year project in industry.

You’ll gain invaluable industry experience through applying theoretical knowledge to a real-life project. You’ll be responsible for the planning and management of a project to completion, typically working on-site for three to four days per week throughout the semester. You will be co-supervised by a mentor from industry and an academic advisor at the University, and will also receive a tax-free scholarship.

More than 640 CEED projects have been completed, and 80 per cent of the students have received a distinction or high distinction for their final-year project. Many students go directly into graduate careers as a result of their project.

Internships
UQ industry partners such as IBM, Google and SAP offer a number of different paid industry experience programs. You can access the industry placements during vacation periods or by deferring your studies. Many UQ IT students have been successful in gaining graduate employment through these work experience programs.

Credit for professional industrial certification
If you wish to complete or have completed industrial certification courses licensed by major IT companies, you can gain credit towards your UQ IT undergraduate or postgraduate program.

Credit is available for selected accredited Microsoft, CISCO and SAP certifications.

Industry advisory boards
Practising IT professionals are actively involved in ensuring UQ’s IT programs meet the requirements of industry. Our Industry Advisory Board meets on campus to consider trends in IT, user experience design and engineering, and to plan curriculum changes. Industry partners also provide feedback on UQ graduates’ progress.

Employer visits
Every year, numerous IT professionals attend the UQ Innovation Showcase and Interaction Design Exhibit to examine student work and meet potential future employees. Industry partners also sponsor final year studio projects. In addition, UQ runs a student and graduate employment program that provides students with information about job vacancies, an online career hub, career events and overseas opportunities.

UQ Idea Hub
UQ Idea Hub is a start-up pre-incubator for the aspiring, the inspiring and the ambitious. The program brings together workshops, experienced mentors and a network of local and global innovators to help you grow your idea into a solution that matters.

You will have the opportunity to form and test your early stage ideas for potential commercial opportunity. You will also build networks with other students, idea makers and seasoned entrepreneurs for a strong, well-connected start to your entrepreneurial journey.
The future needs fast movers, big ideas and people with creativity and talent. UQ’s Bachelor of Information Technology will give you the specialised skills and knowledge to meet the needs of a rapidly changing world.

Bachelor of INFORMATION TECHNOLOGY

Duration 3 years full-time. Part-time equivalent available to Australian residents and citizens
Location St Lucia
Entry requirements Queensland Year 12 or equivalent; English; Mathematics B
QTAC code 733001
Honours Available as an extra year of study
Accreditation Australian Computer Society

Why study Information Technology at UQ?
Never before have technological changes been faster or more fundamental. From tracking your health using wearable technology to accessing and managing your data in the Cloud, information technology is at the core of our new, connected era.

UQ’s Bachelor of Information Technology is a flexible, project-focused degree that provides you with the skills and knowledge to take on the new wave of digital roles.

What you will study
UQ’s Bachelor of Information Technology builds on a solid foundation in software and hardware. Through flexible study plans, you can specialise in areas including computer systems and networks, enterprise information systems, software design, and software information systems and user experience design. These areas are described in detail on following pages.

Your future in Information Technology
With an IT degree, your career possibilities are endless. IT skills are applied to a diverse range of applications in a wide range of industries from areas such as e-commerce and developing computer games. As a UQ IT graduate, you can find yourself working in systems and software development as an analyst, architect, designer, developer, programmer or project manager. You can also be involved in managing sophisticated computing facilities, such as distributed computer systems implemented over complex computer networks, or business information systems supported by large databases. Your knowledge and skills in IT can also take you abroad, working internationally.

With teaching informed by the latest research, you’ll develop the ability to process data or information in order to solve problems, and study programming languages, algorithms and information structures, to be job-ready for just about every industry. Besides technical skills, you’ll also learn team dynamics, presentation skills and project management.

For further information on UQ’s dual programs, please see page 56.
AIMEE LEONG
Bachelor of Information Technology/Bachelor of Commerce
Microsoft

" The IT degree at UQ focuses on empowering students to create applications from scratch and learn how to pitch them to clients/employers.

Don’t expect to just be sitting in a classroom learning code. Most of my time was taken up by exciting team projects, where we come up with a novel idea for an application, get passionate about it, and then actually create it. In this way, I graduated with not only a degree, but also a portfolio.

I also have a vast array of resources at our fingertips. Whether I need a server, prototyping tool or the full Adobe Creative Suite to design and build my application, UQ gave me everything I could need, whenever I need it."
**INFORMATION TECHNOLOGY MAJORS**

**COMPUTER SYSTEMS AND NETWORKS**

**What you will study**
Distributed computing platforms and communication technologies have a profound impact on the design, development, reliability and performance of computer applications. With the increasing variety of computing devices (including embedded computing devices, sensors, smartphones, laptops and workstations) and multiple networking technologies that connect these devices, there is a growing demand for virtualisation of computing platforms and operating systems to manage this heterogeneity. This major will provide you with an understanding of how software is controlled on one or many computers, including security, networking and operating systems. It is a strongly technical major, requiring strong conceptual and programming skills. Courses focus on programming, computer architecture, computer networks, operating systems, distributed computing, systems security, as well as a variety of distributed software applications (internet applications, mobile computing, embedded computing and ubiquitous computing).

**Careers**
You can find yourself working in software development companies, business enterprises, government departments and research organisations, and have careers in the security, design and management of new cutting-edge computer systems, and integration of large-scale distributed computing systems.

**ENTERPRISE INFORMATION SYSTEMS**

**What you will study**
Enterprise information systems play critical roles in large, sustainable and innovative businesses and organisations. A successful enterprise information system is a system that is incorporated with the core business of enterprise and becomes a critical part of enterprise. You will learn not only how to create large, effective and efficient information systems, but also how to incorporate business processes and management knowledge into the systems development in order to maximise the systems applicability and performance.

**Careers**
As an Enterprise Information Systems graduate, you can expect to work in software development companies and/or companies where information systems are deployed, which includes almost all business and government organisations. Job titles for the enterprise information system specialisation typically include Business Information Analyst, Database Developer, Database Administrator, IT Project Manager and Software Engineer.

**SOFTWARE DESIGN**

**What you will study**
There is a significant sector within the global IT industry that develops applications such as games, apps for mobile devices, or tools and systems used by individuals, government and other companies. These applications, tools and systems are often part of large and complex IT landscapes. For example, banks need sophisticated databases, web interfaces and secure network communication in order to carry out their business. Such companies need the services of IT professionals capable of designing, implementing, evolving and testing software systems that are often very large, with complex functionality and interconnections to other systems.

**Careers**
Software Design graduates can expect to work in all areas of the IT industry. Job titles typically include Software Engineer, Software Developer and Software Development Manager.

**SOFTWARE INFORMATION SYSTEMS**

**What you will study**
Information systems are integral to almost every business and government organisation. In this major you will develop the skills to design and build the information systems that are used everywhere in our modern life: in retail, banking, healthcare, transport, education, entertainment, science and engineering.

The courses in this major will span the lifecycle of information systems, including data acquisition, modelling, storage retrieval, transformation, presentation, and analytics. The major will enable you to work as a software professional to produce reliable, secure, scalable and user-friendly information systems.

**Careers**
Software Information System graduates can expect to work in software development companies and/or companies where information systems are deployed, which includes almost all business and government organisations. Job titles for the software information system specialisation typically include Database Developer, Information Analyst, Database Administrator and Software Engineer.
What you will study
The vast majority of IT is designed to be used by people in all walks of life. From mission-critical commercial software to personal fitness apps and casual games on a smartphone, a user experience (UX) designer is concerned with how the technology should be designed so that it is appropriate for its users. This major is intended for students who want to take up careers in the multi-skilled and interdisciplinary field of human-centred design. UX designers are increasingly sought after across all sectors of IT, where the combination of people skills along with creativity and technical ability produces graduates who are prepared for the rapidly changing future of technology design. Courses studied in this major focus on design skills and creativity, programming, and prototyping in different media. Design skills are consolidated in the Bachelor of Information Technology’s design computing studio courses.

Careers
Graduates are employed in the technology sector with the responsibility for developing and improving systems to be engaging and user-friendly. Job titles in the field include User Interface Developer, User Experience Designer, Usability Specialist, Human Factors Analyst, User Researcher and Human Interface Developer.

RESPONDING TO INDUSTRY
through a new UX specialisation
A dual program gives you the flexibility to study several areas of interest at once. The additional knowledge and skills gained give you a competitive edge in the workplace and significantly broaden your career possibilities. Dual programs can also be completed more quickly than two separate degrees, as students complete the core components of each program.

Applicants for UQ dual programs must satisfy prerequisites and entry score requirements for both programs. You apply through normal QTAC application procedures. The appropriate QTAC application codes are listed here.

In some programs you can choose to undertake additional courses during the summer semesters to finish the program even quicker – by up to one semester.

**Business Management/Information Technology**
- Program duration: 4 years
- QTAC Code: 710401
- By combining these two areas of study, you will develop expertise in a niche field that offers a wide range of employment options and excellent opportunities for overseas employment.

**Commerce/Information Technology**
- Program duration: 4 years
- QTAC Code: 711621
- By combining these two areas of study in a dual degree, you will get a focused background in commerce, along with specific practical and theoretical understandings relevant to your chosen field in IT.

**Engineering (Honours)/Information Technology**
- Program duration: 5.5 years
- QTAC Code: 717701
- This dual program is ideal if you wish to combine the theory and practice of modern computing with another field in engineering. This program is available with Engineering single majors in Chemical, Civil, Electrical, Materials, Mechanical or Mining Engineering, and dual or extended majors in Electrical and Biomedical, Electrical and Computer, and Mechatronics.

**Information Technology/Arts**
- Program duration: 4 years
- QTAC Code: 733201
- This program allows combinations of the humanities and IT. It is an excellent plan if you want to combine languages, education, communication or other areas of interest with an IT base.

**Mathematics/Information Technology**
- Program duration: 4 years
- QTAC Code: 714411
- Apply your specialised mathematical knowledge and analytical skills to solve computational and data processing problems.

**Information Technology/Science**
- Program duration: 4 years
- QTAC Code: 733301
- An excellent combination if you want an option of working in business or government interfacing with engineering and technology-based industry.
OTHER PATHWAYS TO A CAREER IN IT

BACHELOR OF ENGINEERING (HONOURS)

Why study engineering as an IT option?
If you pursue in-depth studies in the traditional areas of software and hardware, you will find the four-year Bachelor of Engineering (Honours) degree provides a respected qualification for entry into either the IT or engineering professions.

What you will study
Bachelor of Engineering (Honours) program offers the largest choice of engineering majors in Queensland. IT-related majors are listed as follows:

- **Software Engineering**
  You will study the complexities associated with large-scale, high-quality software: technical construction; size and complexity; cooperation between developers, clients and users; and evolution of software over time to maintain its value.

- **Electrical and Computer Engineering**
  You will develop skills in electrical engineering, computer engineering and information technology, in conjunction with professional skills.

- **Mechatronic Engineering**
  This major provides a broad-based education in the basic principles of electrical, mechanical and computer engineering. You can choose from a range of electives covering areas such as engineering analysis and design, engineering mechanics, dynamics and automatic control, signals and communication, electrical hardware and computer software.

BACHELOR OF SCIENCE (COMPUTER SCIENCE)

Why study Science as an IT option?
Advances in many areas of modern science are increasingly driven by IT.

What you will study
In the Bachelor of Science you can study:

- a computer science major (single or extended), which provides core IT courses in programming and information systems
- a dual major in computational science.

In this major, the emphasis is on “science” and you select any single major from the Bachelor of Science program and combine it with a number of computational science courses that emphasise the use of IT as a tool to facilitate solving scientific problems.
I had always been interested in design, and during high school I enjoyed using technology as a medium to present my creativity in an interactive way. I loved doing Flash and web projects, as I was able to make a product that others could use and enjoy.

I chose UQ because of its reputation as the best university in Queensland, and it has a gorgeous campus. I really enjoyed living at Grace College during my time at UQ due to the extra-curricular activities and the community I was a part of. I loved being a part of the various societies at UQ, including UQdance, Uni Impact and the U-Cue pool society, as well as the team projects that I was involved with as part of my coursework. We made a lot of interactive products, some of which we showcased to the public. Particularly, I am proud of an interactive floor that I designed and made with my group, which enabled people to dance, paint and discover different ways of interacting with it.

I am currently working at ThoughtWorks, which is a global software development agency. I am a graduate software developer, which involves creating software and websites for client companies. My home office is in Brisbane, but I’ve been fortunate enough to travel to places such as India for work and training purposes. A career in IT can truly provide you with a global education and career path.

SARAH NELSON
Experience Designer
ThoughtWorks
Explore your future at UQ

Visit us online
Find out about your dream program, how to apply, scholarships, life at UQ and upcoming events.
future-students.uq.edu.au

Chat with us live
Our friendly student advisors are waiting to chat with you about study and life at UQ.
uq.edu.au/ask

Give us a call
Ring our dedicated call centre or book a call back for support and advice.
+61 7 3346 9872

Ask us a question
Email us your query and receive helpful advice about study and life at UQ.
ask@uq.edu.au
Learn a language

Want to study somewhere you don’t speak the language?

You can take an extra-curricular course before you go at UQ’s Institute of Modern Languages (IML), which offers:

• more than 30 languages
• beginner to advanced levels
• listening, speaking, reading and writing skills
• small, friendly classes
• no formal entry requirements.

Although courses will not count towards your program, IML assesses your progress as you go.

Find out more at iml.uq.edu.au
Why study overseas?
• Improve your foreign language skills
• Broaden your work and study options
• Enhance your employability
• Establish a global network of friends
• Gain credit towards your UQ program
• Choose from 200 exchange partners in 40 countries

UQ Abroad offers a wide range of overseas experiences, including semester-based student exchange, short-term study, internships and volunteering.

Student exchange program
Study overseas for up to one year while gaining credit towards your UQ degree.

Choose from almost 200 exchange partners in 40 countries, combine study and travel, and have the adventure of a lifetime.

While on exchange, tuition fees at the host university are waived and you continue to pay fees and be enrolled at UQ. You can even apply for student exchange scholarships or an OS-HELP loan to assist with airfares, accommodation, health insurance and living costs.

Short-term global experiences
Want to study, work, or live overseas for only a short time?

With UQ Abroad’s international short-term programs, you can have an amazing global experience during your semester breaks.

More than 40 experiences are available on each break, and you can choose to study, take an internship or volunteer in over 25 different countries. Some experiences are eligible for academic credit transfer towards your UQ program, so you can fast-track your studies by completing courses at an approved host university in Asia, Europe, the USA or Latin America.

Photo left: Olivia Daw (right), a UQ Bachelor of Architecture student, undertook a semester abroad through the UQ Abroad program. Olivia chose Milan, Italy, because of the location, architecture and reputation of the partner university: it is currently 14th in the world for architecture.

TIMOTHY BAUER
Bachelor of Architectural Design
Current student

As a person who strives to achieve academically, I was initially attracted to study at UQ due to its outstanding international reputation and high global ranking. When I began comparing architecture as my potential field of study, I felt UQ offered a more innovative, creative and specialised program. However, having so far completed two years of my Bachelor program at UQ, I now truly appreciate that UQ has much more to offer.

One of the major highlights of my time spent studying at UQ was the opportunity to study abroad at the University of California, Berkeley, in my second semester of my second year. I am immensely grateful for the UQ Abroad program, as this opportunity has been the most educational experience, exposing me to a different culture and way of learning.
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 a:
- temporary resident (visa status) of Australia
- permanent resident (visa status) of New Zealand, or
- resident or citizen of any other country.

Eligibility for UQ study
For admission into undergraduate programs at UQ, you must have:
- completed recognised upper secondary or equivalent Year 12 studies to the required standard
- satisfied individual program requirements (e.g. specific subject prerequisites, auditions or interviews)
- satisfied English language requirements. If you do not meet these criteria, you might consider taking the Foundation Year bridging course offered by International Education Services (IES) or English language training offered by the Institute of Continuing and TESOL Education (ICTE-UQ).

Tuition fees
UQ has program-based 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.

Fee information
W: future-students.uq.edu.au/apply/international/tuition-fees

Other expenses
All international students applying to study in Australia must have a student visa and study full-time, on campus. Please consider expenses such as visa and medical (pre-departure) fees, tuition fees, general living expenses, return airfares, and Overseas Student Health Cover (OSHC) when you plan your budget.

Applying to UQ

More Information
W: future-students.uq.edu.au/foundationyear.com
icte.uq.edu.au

Want more information?
If you would like to know more about your study options at UQ, feel free to ask a question through our enquire online form and one of our UQ advisors will respond to you. Feel free to register for an advisory session, and if you are in Brisbane, why not sign up for a campus tour to see our beautiful campuses?

We also have a range of publications, including the international student guide and program supplements to help you.

MADE ARI VIDIA
Bachelor of Economics (graduate 2015)
(University of Indonesia)

“Studying away from home at UQ has helped me a lot – not only with academic matters but also with my own personal growth.”

Ask UQ
W: future-students.uq.edu.au/ask

Advisory sessions
W: uq.edu.au/international-students/advisory-sessions

Campus tours
W: uq.edu.au/international-students/campus-tours
Open Day 2016

St Lucia 7 August | Gatton 21 August

Open Day is the perfect opportunity to experience UQ. Find out about programs and courses, explore the campus and facilities, meet staff and current students, and enjoy the range of fun activities on offer.

Visit the website
Visit the website before the day for a copy of the program, directions to the campus and to create a personalised plan. uq.edu.au/openday

Download the app
Available from the App Store or GooglePlay, the UQ Open Day app provides access to your personalised plan and interactive maps to use on the day.

Ask us a question
Email our friendly staff any questions you have about the event. openday@uq.edu.au
**Fees and costs**

Course fees and student contributions

When you study at University, at the start of each semester or teaching period (study period) you are charged a fee for each course you enrol in.

Most undergraduate places at UQ are Commonwealth supported, i.e. funded partly by the Australian Government (Commonwealth support) and partly by you (student contribution).

You qualify for Commonwealth support if you are an Australian or New Zealand citizen, or an Australian permanent resident and have a Commonwealth-supported place (CSP). International students pay full tuition fees.

If you have a CSP, the amount you pay for a course (your student contribution amount) depends on the fee band level of the course (see table below).

It is not possible to publish a fixed fee for a program, because fees are charged according to the courses you choose, not the program you are enrolled in, and most students can choose different electives during their program.

Indicative annual fees (based on average first-year enrolment patterns) are listed on our Courses and Programs website to help you plan your budget.

**Student Services and Amenities Fee (SSAF)**

In 2011 the Australian Parliament passed legislation allowing universities to charge a fee for non-academic services such as sporting and recreation activities, employment and career advice, child care, financial advice, and food services. UQ levies the SSAF – which is capped at a maximum of $290 for 2016 – according to whether you are an internal or external student, full-time or part-time. The fee is indexed annually.

**Proposed higher education reforms**

In the May 2014 Budget, the Australian Government proposed changes to funding for higher education. The proposals were not passed by the Senate, but will be reviewed for 2017. All Australian universities, including UQ, do not know at this stage what the proposed reforms will be.

Visit the Study Assist website to view 2017 updates as they become available.

**Fee calculator**

To help you estimate your course fees for a study period, UQ has an online Fee Calculator.

Fees for 2017 are expected to be available from December 2016.

Before you enrol, faculty Academic Advisors can help you develop a study plan.

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### 2016* STUDENT CONTRIBUTION BANDS AND AMOUNTS

<table>
<thead>
<tr>
<th>BAND</th>
<th>AREA OF STUDY</th>
<th>ANNUAL* STUDENT CONTRIBUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Law, accounting, administration, economics, commerce, dentistry, medicine, veterinary science</td>
<td>$10,440</td>
</tr>
<tr>
<td>2</td>
<td>Mathematics, statistics, computing, built environment, health, science, engineering, surveying, agriculture</td>
<td>$8917</td>
</tr>
<tr>
<td>1</td>
<td>Humanities, behavioural science, social studies, education, foreign languages, visual and performing arts, nursing</td>
<td>$6256</td>
</tr>
</tbody>
</table>

* 2016 figures only, based on full-time (16-unit) workload; figures indexed annually
Centrelink Student Services

The Australian Government provides three income-support payments for Australian tertiary students: Youth Allowance, Austudy, and ABSTUDY.

You can apply for these payments at any Centrelink Customer Service Centre. Other schemes include:
- Student Start-up Scholarship
- Relocation Scholarship
- Interest-free advance loan where part of allowance is paid as a lump-sum advance
- Pensioner Education Supplement (PES)
- Low Income Health Care Card
- Fares Allowance
- Child Care Benefit (CCB) or Rebate, or JET Child Care Fee Assistance.

Other government assistance

HECS-HELP

If you are a domestic student in a Commonwealth-supported place, you may be eligible to receive HECS-HELP.

HECS-HELP is an Australian Government loan scheme that allows you to defer repayment of all or part of the student contribution amount until your income meets a specific threshold. This means you do not have to start repaying your HECS-HELP debt until you earn above a certain income level ($54,126 for the 2015–16 income year). Loan repayments are then taken out of your pay as additional tax. You need to supply your tax file number to apply.

SA-HELP

SA-HELP is a loan scheme that helps you pay for the SSAF. If you use SA-HELP, the amount will be added to your accumulated HELP debt. You can take out a SA-HELP loan even if you do not wish to take out any other HELP loan. You require a tax file number to obtain SA-HELP.

HECS-HELP and SA-HELP Information

W: studyassit.gov.au

Keeping your costs down

- Investigate the financial support and fee repayment options offered by the Australian Government
- Apply now for a Tax File Number, which you will need to obtain a HELP loan and to defer repayment of your student contributions until your income reaches a certain level – see ato.gov.au
- Enjoy UQU’s low-cost entertainment and activities, and visit their secondhand bookshop
- Ask UQ’s Student Services about finding accommodation.

Centrelink

W: humanservices.gov.au

T: 132 490 (Student enquiries)

1800 132 317 (ABSTUDY)
ADMISSION INFORMATION

You must satisfy prerequisites and have a sufficient entry score (OP or entry rank) to study undergraduate programs at UQ, but there are alternative pathways for entry if you do not meet these requirements.

How to apply
Apply for UQ undergraduate program admission through the Queensland Tertiary Admissions Centre (QTAC).

Check the QTAC Guide or the QTAC website for details on how to apply and what entry requirements you need. Free print copies are given to all current Queensland Year 12 students and some interstate students, or you can buy a copy from newsagents or QTAC directly.

You may list up to six program preferences, but you will only receive one offer – for your highest preference that you are eligible for. When applying, make sure you place programs in order of personal preference, putting the one you most want to study first, and the one you least desire last.

The step-by-step process

STEP 1
Choose

Search for your program
• Search in this guide on pages 14-57
• Visit future-students.uq.edu.au

STEP 2
Apply

Prospective students
• Apply by visiting qtac.edu.au

Current students at other universities
• Download a Cross-Institutional Enrolment form at uq.edu.au/myadvisor/forms-online

TIP: Check prior to applying that your home institution will give you credit.

STEP 3
Accept

How to accept your offer
1. Log in by clicking “Applicant login” at qtac.edu.au
2. Select Login and enter your details
3. Select the Accept offer option
4. Accept your offer
5. Go to uq.edu.au/startingatuq and follow the instructions

See the QTAC website for 2017 application deadlines.

QTAC Admissions
W: qtac.edu.au
E: admissions@uq.edu.au
T: 1300 467 822
T: +61 7 3365 2203
Prerequisites
Subject prerequisites are the Queensland Year 12 subjects (or interstate/overseas/tertiary/bridging course equivalents) required for individual programs. Some programs have additional prerequisites (e.g. auditions or the Undergraduate Medicine and Health Sciences Admission Test (UMAT)).

Entry scores
Entry scores include Overall Positions (OP) and entry ranks. Eligible applicants are selected for admission to a program in order of merit; those with the highest entry score are selected first, and so on until the program quota is filled.

The minimum OP or rank required for entry varies from year to year and is determined once applications have been processed and places allocated. While it is difficult to predict exactly what OP or rank will be needed for entry to a program, you can use the previous year’s cut-offs as a guide.

English language requirements
If you are from a non-English speaking background, you will need to provide evidence of English proficiency. You can do this by passing Queensland Year 12 English (or interstate/international equivalent), or by other means detailed in the Entry Options booklet available at uq.edu.au/study/docs/domestic/entry-options.pdf or uq.edu.au/international/language-requirements.

Special entry programs
If you are of Australian Aboriginal and/or Torres Strait Islander descent, or have experienced financial hardship or other difficult circumstances that have negatively impacted your studies, you may be eligible for special entry to UQ. Contact UQ Admissions for more information.

UQ’s Bonus Rank Scheme gives current Year 12 high school students bonus points towards their entry score for completing certain approved subjects or courses. Contact UQ Admissions for more information.

Programs for high school students
UQ’s Enhanced Studies Program (ESP) lets you complete a university course at one of three UQ campuses during semester 1 of Year 12. The program is offered free of charge, boosts your tertiary ranking by one point, and you may even receive credit for the course you completed if you subsequently go on to study at UQ: see uq.edu.au/esp.

The Young Scholars Program is another opportunity to discover, learn and engage with UQ’s academic community and like-minded students from across Queensland. See uq.edu.au/youngscholars.

Other opportunities include the Institute of Modern Languages (IML) summer intensive sessions: see iml.uq.edu.au/highschool.html and a range of faculty workshops and seminars: see uq.edu.au/schools/activities-for-schools

Alternative entry
If you did not complete Year 12, did not achieve a high enough entry score for your preferred program, or are a mature-aged applicant, there are alternative entry pathways to UQ. Contact UQ Admissions for advice.

Improving an entry score (upgrading)
If you are not offered a place in your preferred program and want to improve your entry score or meet subject prerequisites, you can accept an offer in a less competitive program with fewer prerequisites and try to improve your entry score. This is called upgrading.

We recommend you complete one full year of bachelor degree study to upgrade to higher demand programs because the entry ranks allocated to attempts totalling less than one full-time year are capped. Depending on your academic performance your new entry rank could be higher than your previous rank.

For more information on how to improve your entry score, contact UQ Admissions.

UQ Admissions
W: uq.edu.au/study/admissions
E: admissions@uq.edu.au
T: +61 7 3365 2203

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**How to enrol**
1. Access your first year planner to find out what you must study
2. Choose your courses (visit myAdvisor at uq.edu.au/myadvisor for help)
3. Enrol online via mySI-net at sinet.uq.edu.au
4. Plan your timetable and sign on to classes
5. Pay fees

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**Getting ready for uni**
- Research your course resources
- Come along to Orientation Week (held the week prior to classes starting)
- Get your student ID card
- Attend Faculty or School information and welcome sessions
- Get your questions answered in time for when you start classes the following week
YOUR FUTURE OPTIONS

When your undergraduate program is complete, you may want to pursue further study, and you will find a range of postgraduate study options to choose from at UQ.

Postgraduate study
UQ offers both coursework programs and research higher degrees (RHD) at postgraduate level.
Both will give you specialised knowledge, provide a significant advantage in the employment market, upgrade your qualifications, enhance your promotion potential, or pave the way for a career in academia.

Coursework programs
Postgraduate coursework programs include graduate certificates, graduate diplomas, coursework masters, extended masters and professional doctorates, and require that you complete prescribed courses and assessment. Some programs include a research component, but mostly they comprise lectures, laboratories, tutorials, assignments and examinations.

Research higher degrees (RHDs)
An RHD involves undertaking a significant research project and producing a thesis. You may also have to undertake some coursework.
RHDs include the Master of Philosophy (MPhil), which takes one-and-a-half to two years to complete; the Doctor of Philosophy (PhD) which takes three-and-a-half to four years; and the Doctor of Biotechnology (DBiotech), which takes three years to complete. To be awarded these degrees you must produce either a 40,000-, 50,000- or 80,000-word thesis of original research.

Continuing professional development
Once you begin your career, you may be interested in ongoing tuition to keep up-to-date in your industry.
Some faculties offer work-related courses run intensively over several days or hours, while others are offered on a semester-long basis. Still others are offered online.
The Institute of Continuing and TESOL Education (ICTE-UQ) also offers Professional Year programs throughout the year as well as a certificate in English language teaching.
Check UQ’s continuing professional development website for details.

UQ Continuing Professional Development
W: uq.edu.au/cpd

STANDARD PATHWAYS TO AND THROUGH UQ

* Other entry methods may be possible; contact UQ Admissions or see uq.edu.au/study/docs/domestic/entry-options.pdf
** For more information about approved bridging programs, please access the Bridging Programs Domestic Admissions Information Sheet at uq.edu.au/study/docs/domestic/bridging.pdf
*** The Associate Degree in Business is designed as either a UQ-accredited stand-alone qualification, or as a pathway to the Bachelor of Business Management;
**** Although postgraduate coursework degrees can lead to an RHD, applicants also require relevant experience or research experience. View the full list of entry requirements here: uq.edu.au/grad-school/our-research-degrees
MORE STUDY OPTIONS

UQ offers more than 60 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

Arts, Communication, Education and Society
- Arts
- Communication
- Criminology and Criminal Justice
- Education (Primary)
- Education (Secondary)
- International Studies
- Journalism
- Music
- Social Science

Business and Economics
- Advanced Finance and Economics (Honours)
- Business Management
- Commerce
- Economics
- International Hotel and Tourism Management

Engineering, Architecture and Information Technology
- Architectural Design
- Engineering
- Information Technology

Health
- Biomedical Science
- 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

Law
- Bachelor of Laws (Honours)
- Master of Laws
- Master of International Commercial Law
- Master of Philosophy
- Doctor of Philosophy

Science
- Advanced Science
- Agribusiness
- Agricultural Science
- Biomedical Science
- Biotechnology
- Environmental Management
- Environmental Science
- Equine Science
- Food Technology
- Mathematics
- Occupational Health and Safety Science
- Regional and Town Planning
- Science
- Sustainable Agriculture
- Veterinary Science
- Veterinary Technology
- Wildlife Science

Disclaimer
The inclusion in this publication of details of a program or a course creates no obligation on the part of the University to teach it as or when described. The University may discontinue or vary programs and courses at any time without notice. Information in this guide is accurate as at January 2016.

While care has been taken to provide accurate information in this prospectus, it is the responsibility of students to check and confirm the specific details of programs, courses and enrolment.

Visit future-students.uq.edu.au for up-to-date program information.

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

Any agreement with this University does not remove the right to take action under Australia’s consumer protection laws.

Australian Consumer Protection
australia.gov.au

Central guides
Australian Undergraduate
International Undergraduate and Postgraduate

Copies of these publications are available through UQ Admissions.

T: +61 7 3365 2203
E: admissions@uq.edu.au
W: future-students.uq.edu.au
Tertiary Studies Expo (TSXPO)
RNA Showgrounds
Saturday and Sunday, 16-17 July 2016

UQ Open Day 2016
St Lucia campus Sunday, 7 August 2016
Gatton campus Sunday, 21 August 2016

QTAC closing date
For on-time applications
Thursday, 29 September 2016
(check qtac.edu.au for details)

Semester 1, 2017
Classes commence
Monday, 27 February 2017

In the event of any conflict arising from information contained in this publication, the material approved by The University of Queensland Senate shall prevail. CRICOS Provider Number 00025B

KEY DATES

CONTACT DETAILS

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W: www.eait.uq.edu.au