Engineering
Design
Computing
Architecture
and Planning

2025

Undergraduate Programs

Architectural Design
Computer Science
Design
Engineering (Honours)
Information Technology
Regional and Town Planning

THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

Why study with us?

Engineering

As one of the most comprehensive engineering degrees in Australia, UQ's Bachelor of Engineering (Honours) and Bachelor of Engineering (Honours) / Master of Engineering programs will put you at the forefront of established and emerging engineering disciplines. These industry-relevant, hands-on and dynamic programs provide a strong foundation in mathematics, science and engineering design, empowering you to meet the demands of the future. As a UQ-qualified engineer, you will have gained the critical skills and knowledge to develop practical solutions that impact the world we live in.

Computer Science and IT

You'll graduate job-ready to launch into an exciting career in areas such as cyber security, data science, information technology, machine learning, programming and user experience design, with some of the world's biggest corporations. To ensure you graduate with the most current and relevant skills, our programs are developed in consultation with industry leaders via an Industry Advisory Board. You'll be prepared to respond to the constant change that occurs in industry and understand the many facets of computing.

Architecture and Design

Our School of Architecture, Design and Planning offers a balanced creative and practical education, preparing you for a successful career in architecture and design. You'll have opportunities to study abroad and learn from international architects; gain hands-on experience with cutting-edge tools like 3D printers, robots, and VR; obtain industry experience in the best architectural practices; work on real projects with real clients; and develop skills in design for local and global contexts.

Regional and Town Planning

Learn from some of Australia's best, in a program recognised by employers as delivering high-quality graduates. You will receive a balance of theoretical knowledge and practical experience, from small-scale projects to comprehensive development schemes. With many of Queensland's planning firms led by UQ graduates, it's no surprise that UQ's Bachelor of Regional and Town Planning is recognised as one of the leading planning programs, and a popular choice for those seeking a challenging and rewarding career.

#1 in Australia

UQ Engineering is rated first in Australia for overall teaching quality

Student Experience Survey 2022

Top 100

in the world for Architecture/ Built Environment courses

QS World University Rankings by Subject 2023

Work anywhere in the world

Our qualifications are recognised internationally, allowing graduates to work anywhere in the world

Getting you employed is our top priority

UQ is the best in Queensland for graduate employability

QS Graduate Employability Rankings 2022

$1 million
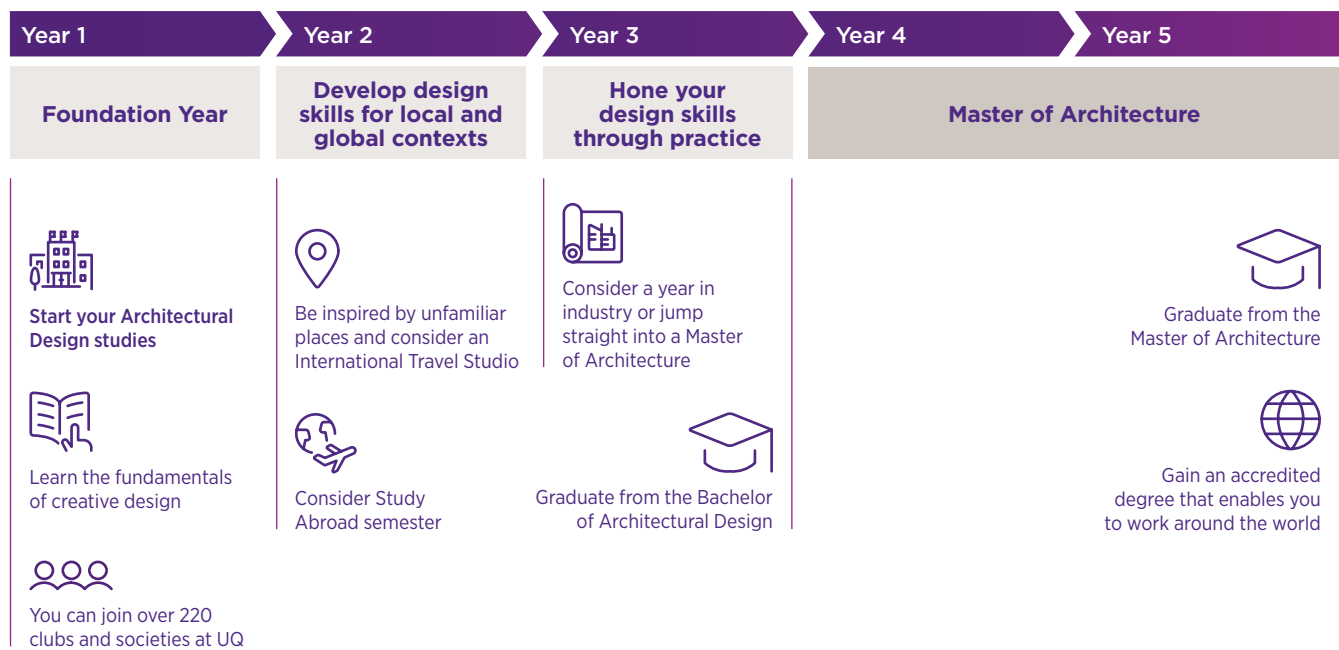
worth of scholarships and prizes awarded annually

Contents

Your life in Architecture

Our creative and globally focused courses help you develop the skills you'll need to design smart and sustainable buildings and places.

You'll have access to the latest technologies, innovative processes, and a wealth of architectural and built environment resources and experiences to create a strong foundation for your design career.

Your journey as an architectural design student

Year 1	Year 2	Year 3	Year 4	Year 5
Foundation Year	Develop design skills for local and global contexts	Hone your design skills through practice	Master of Architecture	

Start your Architectural Design studies

Learn the fundamentals of creative design

You can join over 220 clubs and societies at UQ

Be inspired by unfamiliar places and consider an International Travel Studio

Consider Study Abroad semester

Consider a year in industry or jump straight into a Master of Architecture

Graduate from the Bachelor of Architectural Design

Graduate from the Master of Architecture

Gain an accredited degree that enables you to work around the world

UQ is ranked

Top 100

in the world for Architecture / Built Environment

Latest design technologies

Collaborative culture

Global focus – learn locally and globally

Bachelor of
Architectural Design

Want to make the world a better place through sustainable design and innovative solutions? Then a career in architecture might be for you.

QTAC CODE	UQ CODE	MINIMUM SELECTION THRESHOLD 2024< ATAR / IBAS	LOWEST ATAR TO RECEIVE AN OFFER 2024>		DURATION	START SEMESTER	CAMPUS	ADMISSION REQUIREMENTS
			ADJUSTED	UNADJUSTED				
711202	2293	84.00 / 30.50	84.40	80.80	3 years full-time	1	St Lucia	Qld Year 12 (or equivalent) General English subject (Units 3 & 4, C)

See 'Program table explained' on page 64.

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What you will study

Architects solve diverse and complex problems. The Bachelor of Architectural Design provides you with the fundamental skills and technical knowledge you'll need to develop innovative and sustainable design solutions for our future buildings, communities and environments.

At UQ, you will develop your creative problem-solving skills with constructive and progressive project-based courses in design and technology. The School of Architecture, Design and Planning's facilities give you access to the latest technologies and resources to develop your ideas from design conception through to presentation, documentation and models.

You will gain a rich understanding of cultures, people and places throughout history and in today's societies. You'll experience how the built environment can impact communities through inspiring international study tours, Indigenous and multicultural projects, and our diverse and globally experienced teaching staff.

Integrated sustainability and technology

The natural and urban environment will also directly impact on your designs. Your education in sustainable systems, materials and strategies is integrated into both your design and technology courses, where you will also learn about structural systems and construction methods, as well as visiting architectural building sites during construction.

Practical experience

The design courses form the main area of study in the Bachelor of Architectural Design. In these courses, 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:

- start your career as a graduate designer in an architectural practice, draftsperson, building designer or 3D visualisation artist
- use 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.

Model by Harriet Crighton
(Bachelor of Architectural Design)

Course highlights

+ International study tours
+ Learn from leading architects
+ Small design classes
+ Project-based learning
+ Industry mentorship opportunities.

More information

Visit **study.uq.edu.au** or scan the QR code

CRICOS CODE 061825J

How will you learn?

At UQ, it's all about practical and creative learning through design studios. UQ Architecture emphasises the importance of practical skills so that you can communicate and refine your ideas through drawings, models, prototypes and structures. Our teaching model is founded on hands-on learning at multiple scales, leading to more complex materials and forms. You'll learn all this and more in our design studios.

What is a design studio?

Design studios are essentially classes that help you research, explore and innovate solutions for a changing world. Run by academics or members of the global architecture industry, design studios reflect the processes and culture of architectural firms.

Studios are based on current projects and problems, which you will thoroughly interrogate. At the end of each semester you will present your design concept in front of your peers and experts.

In our studios, you will learn to create exciting new spaces by testing ideas 3-dimensionally through making and building. Working hands-on with paper, card, clay and foam will give you the confidence to experiment with architectural form. You'll also have opportunities to make models using laser cutters and 3D printers to construct prototypes, and even to work on small structures using our well-resourced workshop facilities.

Your design studio time will make up the majority of your contact hours on campus (up to 50 per cent).

International travel studios

Travel is an essential part of an architectural education. Unfamiliar places inspire creative ideas. Travel gives you the chance to experience architecture from different places and times and provides perspective and understanding of diverse cultures.

An international career

As a UQ Architecture student, you'll have the opportunity for international travel as part of your degree. In the last 4 years, our students have enjoyed study tours to Hong Kong, the US, Japan, India, Myanmar, Malaysia and Sri Lanka.

We believe that travelling prepares our graduates for international careers as architects. Students who study abroad are likely to be more resourceful, willing to take chances and immerse themselves in unfamiliar situations, and have cross-cultural understanding and curiosity.

Mentoring through the Australian Institute of Architects

Architects from the Queensland Chapter of the Australian Institute of Architects mentor students, offering career guidance along with industry experiences such as site visits. We encourage students to join the Institute and build connections with the architectural community.

What you can do with your degree

Hot jobs

+ Architectural graduate
+ Project manager
+ Draftsperson

Jobs where your Bachelor of Architectural Design would be useful:

- Design-oriented publishing and media
- Production designer in theatre, film and television
- Building surveyor
- Construction manager
- Academic and researcher
- Design manager
- Property and real estate developer.

"My earliest memories of architecture go back to colouring in discarded floor plans as a young child, being the daughter of an architect. Although I had an unusually early introduction to architecture, the Bachelor of Architectural Design has allowed me to understand the way in which architecture has a responsibility to drive a more sustainable future, social change, and provide safe and supportive built environments."

Sionnan Gresham
Bachelor of Architectural Design graduate
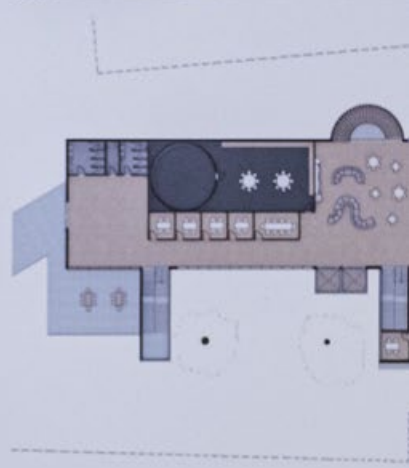
ARCHITECTURE

Jessica Myles with her work,
New UQ ADP School at the
2023 Exhibition, Final Draft

L-R Models by Rhianna Zhong, Sophie Leckie, and
Ashleigh Rollo (Bachelor of Architectural Design)

NEW UQ ADP SCHOOL
ARCH3200

This project was briefed to be a new Architecture, Design and Planning School for The University of Queensland, where the design process would investigate the relationship between the interior and exterior of the building, and activation of space through considering the needs of staff, students, and the community to offer a safe and pleasant environment to foster learning.

Through making use of the site incline; stepping the form, creating connections between the ground and first levels, taking advantage of views, the effect of existing vegetation on the overall form and courtyard spaces and through implementing principles of physical and visual permeability and connection between the two sides of the site, a new form was created which uses external connections to express a unique identity to the surrounding UQ buildings.

Another key aspect of this design was to ensure the ground level had resistance to flooding. This was done through lifting what was initially on the ground to the upper levels and creating a concrete ground floor, this allows for full visual and physical permeability from the east side of the site through to the west side. This also provides opportunity for the auditorium to have an accessible ground floor entrance. To deter the negative effects of flooding in the workshop space; the lower is concrete and to be primarily used for manual labour. All storage

Becoming an architect

Following the completion of your Bachelor of Architectural Design, your next step to becoming a registered architect is with UQ's Master of Architecture.

Master of Architecture

The Master of Architecture is the second stage of UQ's Architecture 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.

Professional affiliations

Upon graduating from the Master of Architecture, you will be eligible to commence the registration process through the Board of Architects of Queensland.

Trace paper sketches from the
Architecture, Design and Planning
End of Year Exhibition 2023.

STEADMAN - ARCH1100

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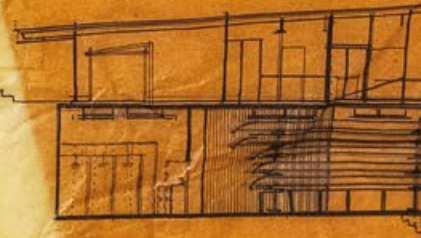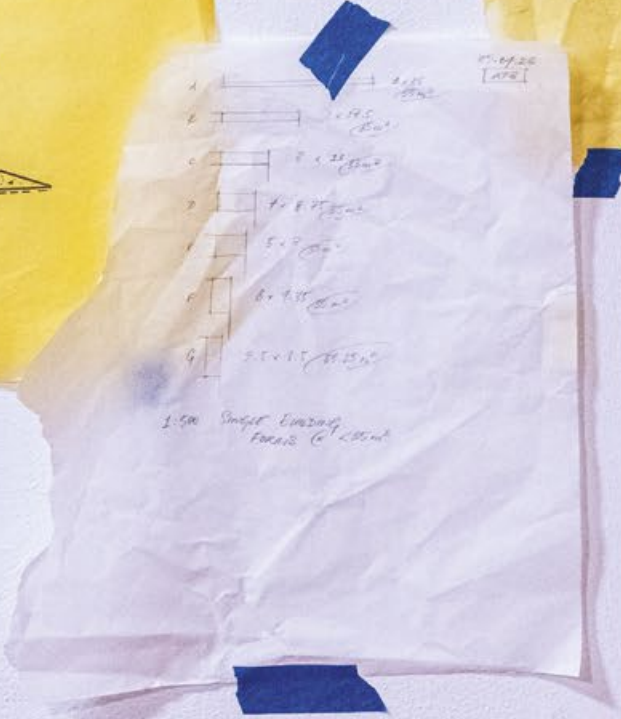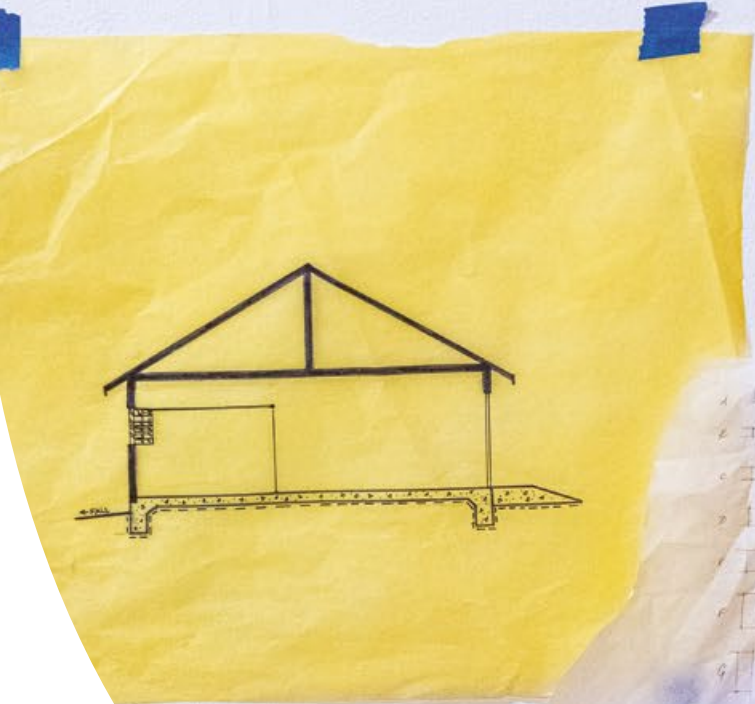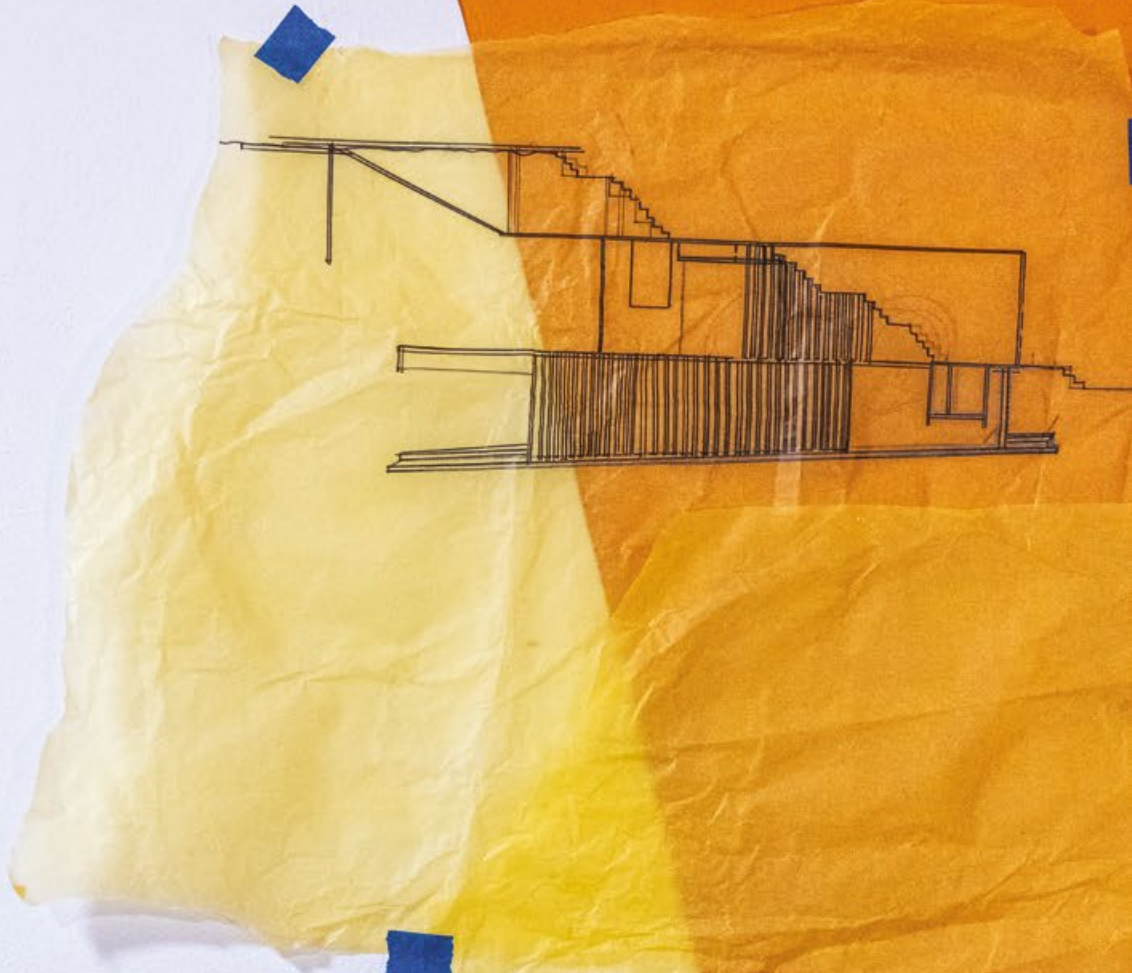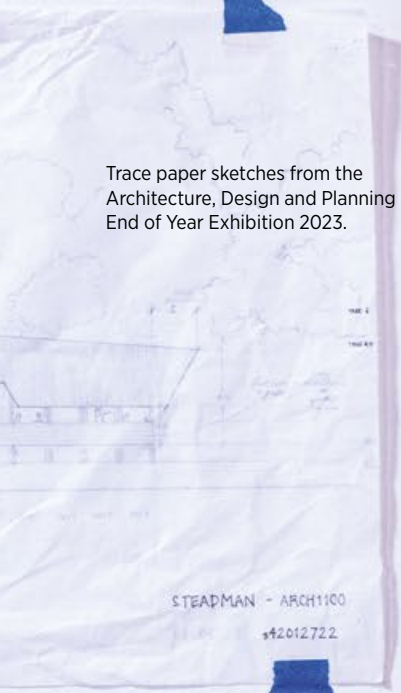
Your life in Design

Good design is essential. It starts with identifying a problem and ends with an outcome driven by the desire to meet the needs of the user.

When we open our eyes to what users truly want, we create products and services that provide exceptional value. Discover how you can design creative solutions for people and a better world.

Your journey as a design student

Year 1	Year 2	Year 3
Core courses		
One Major + Electives or 2 Majors		

Start your Design studies

Learn the fundamentals of design

Hone your skills through studio-based practice

Consider a Study Abroad semester

Graduate from the Bachelor of Design

Discover how you can **design creative solutions** for people and a better world.

Bachelor of
Design

This multidisciplinary program incorporates elements of business, IT, architecture and the humanities. You will develop a flexible range of skills to succeed in almost any industry – from digital communication or media, manufacturing, retail and consumer goods or environmental protection, depending on the major/s you choose.

QTAC CODE	UQ CODE	MINIMUM SELECTION THRESHOLD 2024< ATAR / IBAS	LOWEST ATAR TO RECEIVE AN OFFER 2024>		DURATION	START SEMESTER	CAMPUS	DUAL PROGRAM AVAILABLE	ADMISSION REQUIREMENTS
			ADJUSTED	UNADJUSTED					
711203	2454	84.00 / 30.50	85.30	84.70	3 years full-time (or part time equivalent)	1, 2	St Lucia	Business Management, Engineering (Honours), Information Technology	Queensland Year 12 (or equivalent) General English subject (Units 3 & 4, C)

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What you will study

UQ's Bachelor of Design offers a new take on design, one where you'll challenge conventional thinking and bring a different mindset to business and societal problems. You'll graduate with the creativity and knowledge necessary to generate and design solutions for a better, more sustainable world.

This is the ideal program for those looking to cultivate specialist capabilities in problem identification, critical thinking, and designing for purpose. Through practical studio-based projects you will work in teams to collaborate, challenge assumptions, prototype innovative and sustainable solutions, and systematically solve problems in creative and novel ways.

You can specialise in one or 2 majors that align with your preferred career pathway. Choose from Anthropology, Buildings and Environments, Environment and Society, Information Environments, Innovation and Entrepreneurship, and Media and Digital Cultures.

Visualisation Lab
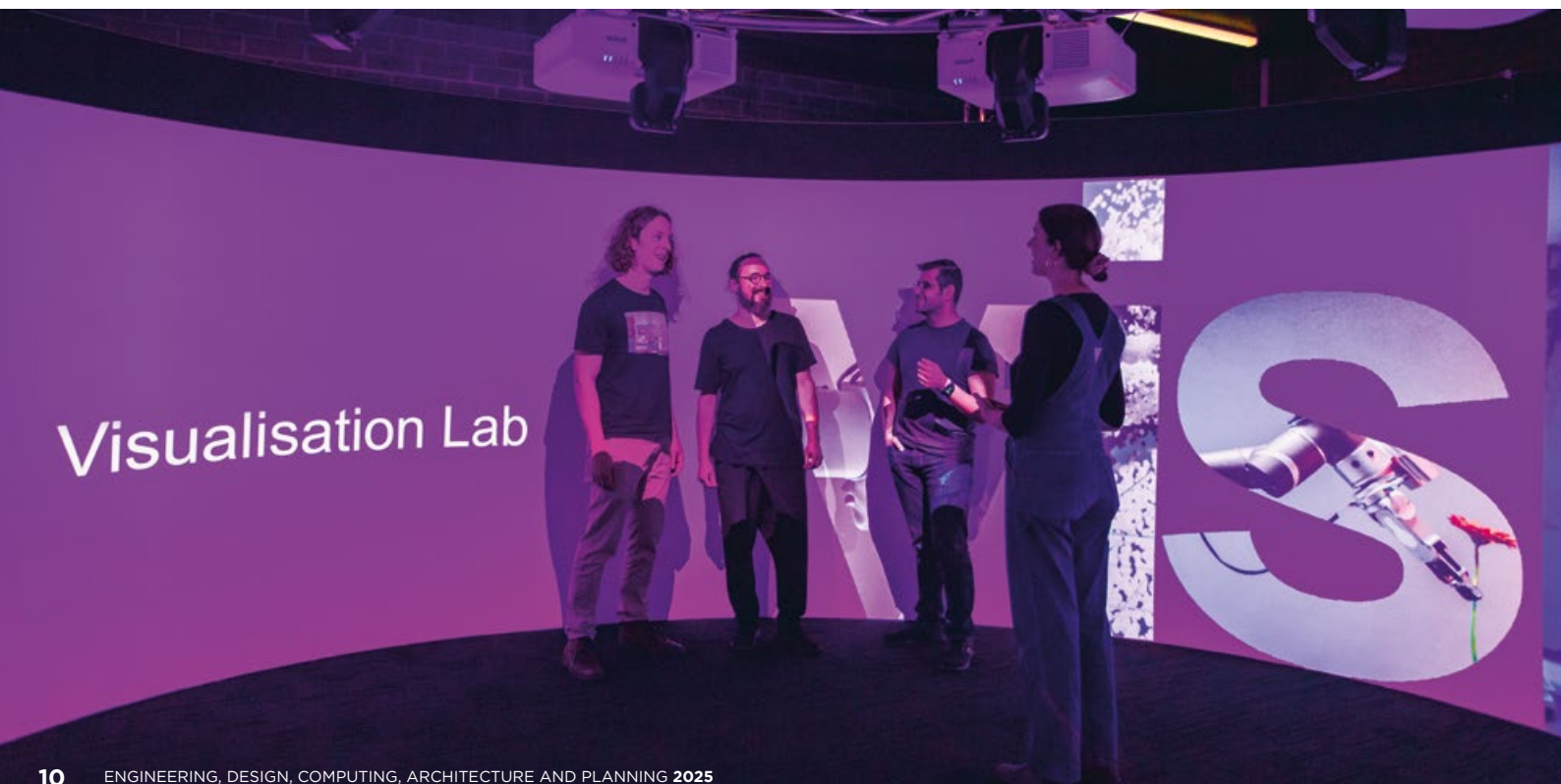
Majors you can specialise in

Anthropology

Designing anything is a social process. Anthropology is the study of humans, our societies and our cultures in all their complexities. Good design requires us to think about how people will engage with and relate to the envisioned product, service or practice. In this major, you'll develop skills that transfer across multiple industries with a focus on understanding the people you're designing for and their future needs.

Buildings and Environments

The Buildings and Environments major places particular emphasis on the role designers play in shaping how the world works. You will explore both building and planning, including sustainability and conservation, transport and infrastructure, architecture and built environment, and the economic and social aspects of development.

Environment and Society

Explore the interconnections between people and the environment. Learn how human-led processes and design outcomes shape our ability to respond to pressing environmental problems, including climate change, bushfires, food insecurity, waste and biodiversity loss. Drawing from many disciplines, including sociology, anthropology, planning, philosophy and economics, this major covers global issues including social and environmental injustice, environmental racism and violence, the politics of conflict, and activism and social change.

Information Environments

Learn how to use code and data to design human-centred technology that is fit for purpose. You'll explore the design and construction of the technologies and systems that society depends on for crucial functions such as commerce, entertainment, and communications, and develop a deeper understanding of the interconnected systems and devices that make worldwide communication possible.

Innovation and Entrepreneurship

Learn how to take a new idea to market by building a new business from the ground up. You'll be introduced to basic principles of innovation and entrepreneurship, including the entrepreneurial mindset and process. Then you'll apply this knowledge in practical courses on digital innovation, social entrepreneurship and growth strategies, as well as technology and innovation management. Through leadership development, you'll become a resourceful, creative and resilient innovation leader who delivers sustainable commercial and social value. Further extending your skillset, you'll engage directly in a short placement or consulting project in a startup or commercial partner project.

Media and Digital Cultures

Examine the cultural aspects of digital technologies and how they influence the design, use and impact of contemporary media in our everyday lives. You'll engage with course components that examine culture as art, popular culture, social media, and the cultural diversity of digital media in Australia and across the world. This major is particularly suitable for students pursuing professional ambitions in the digital media industries and user-centred digital design.

Careers

As a designer, you'll possess the expertise and creativity to respond to the complex needs of a contemporary world. Depending on which major you choose, you could pursue a career as a:

+ Business entrepreneur
+ Lead designer
+ Change manager
+ Graphic designer
+ Content designer
+ Design manager
+ Design consultant
+ Service designer
+ Customer experience designer
+ Communication strategist
+ Customer research specialist.

More information
Visit **study.uq.edu.au** or scan the QR code
CRICOS CODE 102785B
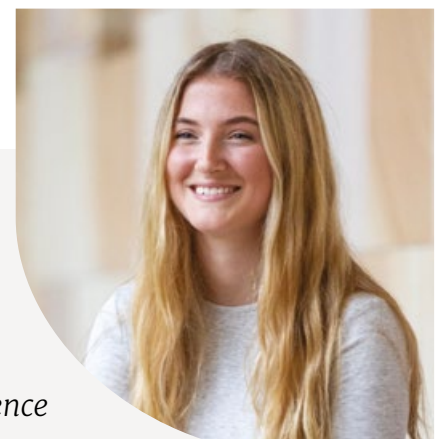
"What I enjoy most about studying design at UQ is the focus on human-centred design and the breadth of design concepts and topics explored. My teachers' experience and passion have contributed enormously to my learning and motivation. In the past year, I have gained skills that I never thought I would be capable of."

Maddison Pledger-Dunn
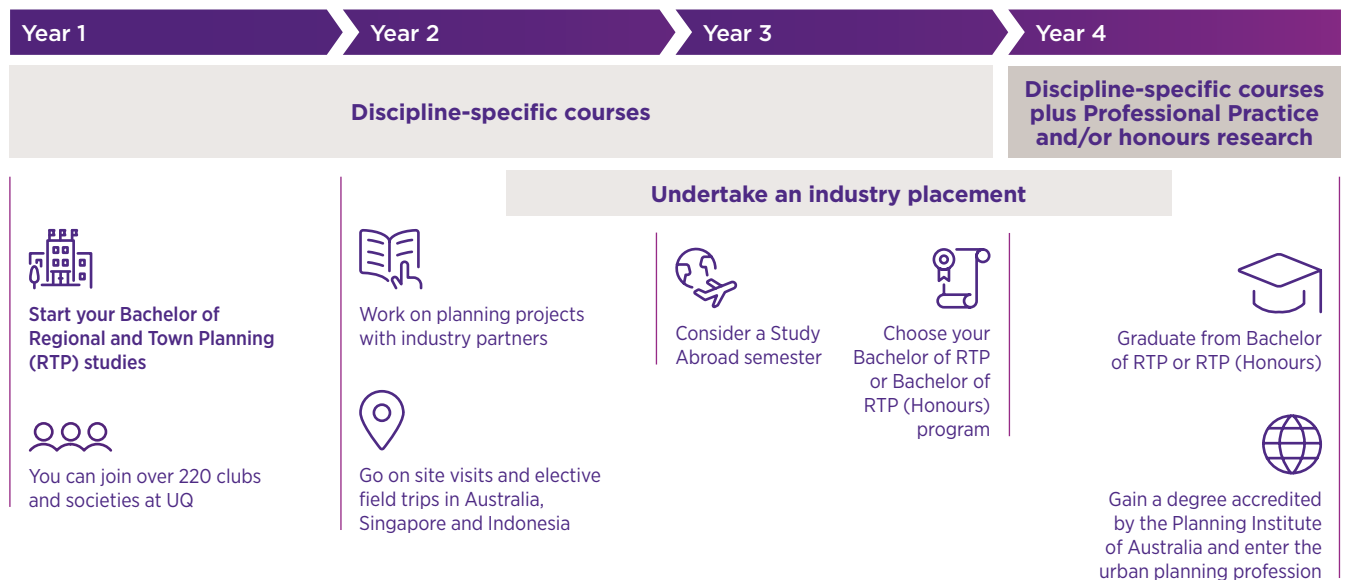UQ Bachelor of Design student

Marisa Graetz, Development Manager,
Department of State Development, Infrastructure,
Local Government and Planning presenting to
Bachelor of Regional and Town Planning students.

Your place in Urban Planning

Develop the knowledge and skills needed to help communities, companies and governments integrate the urban, environmental, economic and social aspects of development, from site design to regional scale analysis.

Your journey as a planning student

Year 1	Year 2	Year 3	Year 4
Discipline-specific courses			Discipline-specific courses plus Professional Practice and/or honours research

Undertake an industry placement

Start your Bachelor of Regional and Town Planning (RTP) studies

You can join over 220 clubs and societies at UQ

Work on planning projects with industry partners

Go on site visits and elective field trips in Australia, Singapore and Indonesia

Consider a Study Abroad semester

Choose your Bachelor of RTP or Bachelor of RTP (Honours) program

Graduate from Bachelor of RTP or RTP (Honours)

Gain a degree accredited by the Planning Institute of Australia and enter the urban planning profession

#1

in Queensland for Urban and Regional Planning

EduRank (Best Universities for Urban and Regional Planning in the World 2023)

You will undertake a planning project each year, where you will work with industry, government and community partners on real-life projects.

You have the opportunity to enrol in courses that will take you on field studies to Indonesia and Singapore.

Bachelor of
Regional and Town Planning

From site design to regional-scale analysis, you will learn how planning helps communities, companies and governments integrate the environmental, economic and social aspects of development.

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			ADJUSTED	UNADJUSTED					
702002	2063	80.00 / 28.75	80.85	77.20	4 years full-time (or part-time equivalent)	1, 2	St Lucia	At the end of Year 3, eligible students will have the option of transferring to an honours year with a research project, or to complete fourth year by coursework	Qld Year 12 (or equivalent) General English subject (Units 3 & 4, C)

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What you will study

Learn land-use planning, urban design, transport and infrastructure planning, community planning, heritage and conservation, resource management, environmental monitoring, planning law and practice, commercial and industrial development, and policymaking and implementation. You will gain skills in long-range planning as well as structural and statutory components, including the current development of the built and natural environments and the legislative framework controlling land use. Your lecturers are experts in planning theory and practice, and collaborate with guest lecturers from industry to give you access to case studies from the professional sector. You will gain knowledge and practical skills, and undertake industry-focused planning projects in each year of your studies. In your fourth year of study, you can choose to focus on industry placement or undertake a research project (honours) or, if qualified, you can undertake both. You will receive advice during the third year of your program as to which of these options is most appropriate based on your areas of interest and your academic performance during the first 3 years of the program.

Placements and practical experience

Throughout the program you will undertake real-life planning projects. These projects expose you to plan making, urban design and community engagement activities. Past students have worked on the Indooroopilly Activity Centre, Yeerongpilly transit-oriented development site, and the inner-city redevelopment for Brisbane City Council. Choose to internationalise your studies by enrolling in field studies courses in Indonesia and Singapore, which focus on the development of cities and urban areas, and the key issues facing different regions around the world.

Or, you may choose to study a semester abroad in planning programs at UQ's partner universities through the UQ Abroad program.

Sample courses

+ Advanced Planning Practice
+ Community Planning and Participation
+ Cultural Heritage Management
+ Human Settlements
+ Introduction to Planning
+ Professional Planning Practicum
+ Resource Management and Environmental Planning
+ Teamwork and Negotiation for Planners
+ Transport Planning
+ Urban Design.

Careers

You will be entering a dynamic industry that improves the quality of life for people in cities and regions. As a UQ graduate, employers will seek your ability to make environmentally, socially and economically sustainable decisions. You will be employed in a variety of roles in the public and private sectors, including:

+ statutory or strategic planning
+ regional development
+ urban design
+ environmental management and monitoring
+ technology for planning
+ spatial planning
+ commercial and industrial development
+ engineering and architectural applications
+ heritage and conservation
+ land-use planning
+ planning law and practice
+ resource management
+ social planning
+ tourism
+ transport planning.

More information
Visit **study.uq.edu.au**
or scan the QR code
CRICOS CODE 001960K

"*I chose to study at UQ because of its reputation, as it is well recognised both locally and internationally. The support from lecturers and tutors at UQ was incredible. My lecturers in strategic planning and urban design really forged my passion for planning at a macro level. The staff are genuinely interested in nurturing you to be the best planner you can be, and provide you with all the tools necessary to start you off in the world of planning.*"

Nicholas Nalder
Bachelor of Regional and Town Planning graduate

UQ's Regional and Town Planning is accredited by the Planning Institute of Australia (PIA)

If you want to be involved in preparing the city for international events, study Urban Planning at UQ
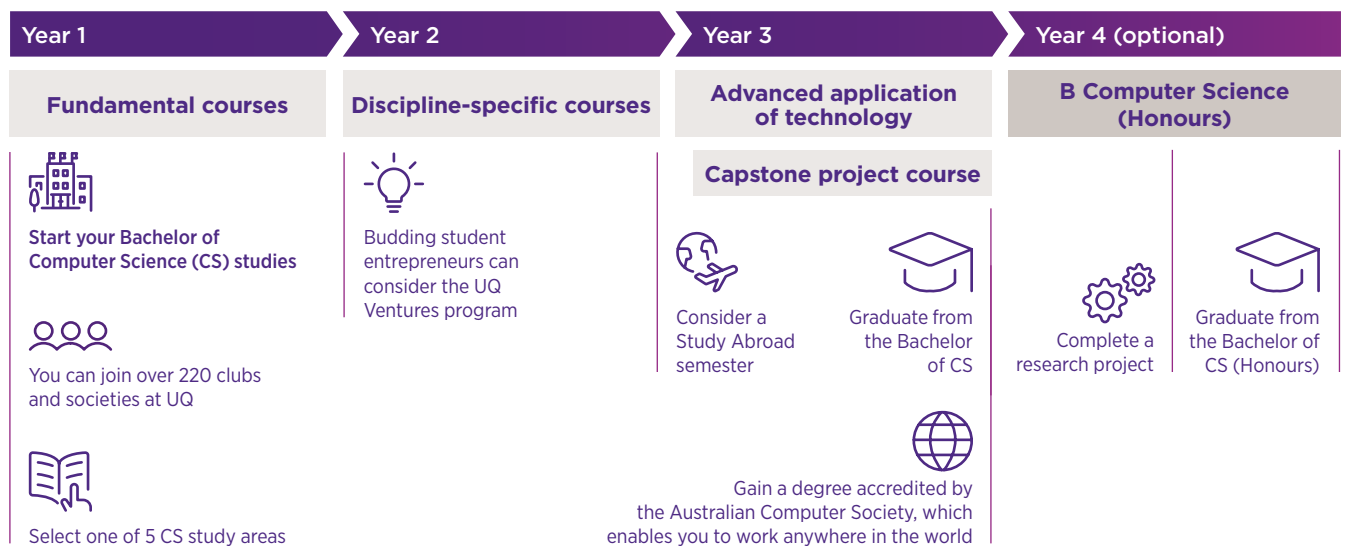
UQ's Cyber Squad: An elite band of
hackers who can take on any challenge
in today's ever evolving cyber space.

Your Computer Science degree

The pace of change in digital technologies is extraordinary. Artificial intelligence, unprecedented computer power, the Internet of Things, big data and automation will continue to increase and transform the way we work, the way we learn, and the jobs we do in the future.

At UQ, you'll gain the solid tech foundations and skills that industry demands to play a critical role in creating, developing, implementing and evaluating new systems and technology for use in our society.

Your journey as a computer science student

Year 1	Year 2	Year 3	Year 4 (optional)
Fundamental courses	**Discipline-specific courses**	**Advanced application of technology**	**B Computer Science (Honours)**

Year 1 — Fundamental courses

Start your Bachelor of Computer Science (CS) studies

You can join over 220 clubs and societies at UQ

Select one of 5 CS study areas

Year 2 — Discipline-specific courses

Budding student entrepreneurs can consider the UQ Ventures program

Year 3 — Advanced application of technology

Capstone project course

Consider a Study Abroad semester

Graduate from the Bachelor of CS

Gain a degree accredited by the Australian Computer Society, which enables you to work anywhere in the world

Year 4 (optional) — B Computer Science (Honours)

Complete a research project

Graduate from the Bachelor of CS (Honours)

EAIT Student employability team

Getting you employed is our top priority. Get in touch with our Employability Team for industry networking events and workshops, personalised career-prep consultations and placement opportunities.

Whether you're interested in **data science, AI, programming or cyber security** – a computer science degree shapes our world with technology.

Bachelor of
Computer Science

A computer science degree is a great solution for people who want a well paid, flexible, global, working from anywhere career with endless possibilities.

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			ADJUSTED	UNADJUSTED						
733401	2451	84.00 / 30.50	84.00	80.65	3 years full-time (or part-time equivalent)	1, 2	St Lucia	Additional year of study	Arts, Business Management, Commerce, Engineering (Honours), Laws (Honours), Mathematics, Master of Cyber Security, Master of Data Science, Science	Qld Year 12 (or equivalent) General English subject (Units 3 & 4, C); Mathematical Methods (Units 3 & 4, C). Specialist Mathematics (Units 3 & 4, C) is recommended

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What you will study

Computers are an indispensable part of finance, energy, transport, health and communications. Considering the widespread use of computers, it's so easy to take them for granted. However, have you ever wondered how computer systems work so well? How can Google Maps load quickly even on a slow network?

How do computers control your phones and cars? How can surgical devices reduce tremor in surgeons?

The Bachelor of Computer Science is a 3-year program designed to provide you with a deeper understanding of all aspects of computer technology. As part of the program, you will combine theory with hands-on experience to learn how to create and analyse computer-based systems.

You will develop strong analytical, logical, and development skills necessary to advance computing, its applications and beyond.

As part of the program, you can specialise in cyber security, data science, machine learning, programming languages, or scientific computing.

Majors you can specialise in

Cyber Security

As computers become increasingly interconnected and support more services than ever before, securing these systems becomes more challenging yet more crucial than ever. By studying cyber security, you will learn the fundamental processes and practices to protect computing systems – be it smartphones, engine control units of your car, computers or servers – from attack, damage or unauthorised access. You will study secure programming techniques and ethical hacking, to safeguard individuals, businesses and governments against cybercrime.

Data Science

Our world is recording more data than we have the ability to process, which presents enormous challenges associated with storage, management and analysis of data. Learn comprehensive and fundamental techniques for end-to-end processing that transforms data into information, and become one of the new breed of data science professionals.

Machine Learning

Machine learning is the study of algorithms that automatically improve performance with experience. Such algorithms allow computers to automatically identify and harness useful data to help decision-making, find hidden insights without being explicitly programmed in where to look, predict outcomes of certain policies to help authorities design effective policies, and many more. This is a massive growth area as society looks for automated and continuous improvements on ways to enhance business and our lives through the use of computing systems and data.

Programming Languages

Programming languages are the building blocks of software in computer science. Covering the different paradigms of programming, this area of study focuses on the design of computer languages that can be easily used to create programs. You will study the craft and science of programming, which will enable the construction of effective programming languages as well as correct and reliable software.

Scientific Computing

You will study algorithms for mathematical analysis. All scientific endeavours, from biology and chemistry to pharmaceutical research, rely on such analysis. Computers hold the key to fast and efficient analysis of complex scientific problems. However, computers are digital systems, requiring discrete inputs and outputs, while mathematical analysis often relies on continuous functions. Therefore, careful approximations are necessary to enable computers to analyse complex mathematical functions used in various scientific endeavours, including in hospitals and university medical research, as well as big pharmaceutical and petrochemical companies across the public and private sectors.

Artificial Intelligence Engineer is #2 in the list of 10 jobs with the fastest demand

LinkedIn Talent Blog 2023: The most in-demand jobs on LinkedIn right now

1.2 million technology related jobs needed in Australia by 2030

Australian Government, Minister for Industry and Science

Other pathways into a career in computing

Bachelor of Science (Computer Science)

Advances in many areas of modern science are increasingly driven by computing.

Including computing studies within the Bachelor of Science allows you to expand your career opportunities for a scientific career and gives you a very flexible degree program where you can tailor your studies to your individual needs and select courses from science, information technology and other disciplines across the University.

Search 'Computer Science' at **study.uq.edu.au**

More information
Visit **study.uq.edu.au** or scan the QR code
CRICOS CODE 096359G

COMPUTER SCIENCE AND IT

"For me it was not clear cut as to what I wanted to do at university after high school. I knew I was creative, and having dabbled in software like Photoshop, I showed a light interest in design. So, when I saw a degree that offered web and graphic design subjects, I decided to take a leap and undertake a degree in Information Technology.

I feel that I am lucky that I selected a degree based on my interest in design as it turned out to be a degree I truly loved, with endless opportunities and career paths."

Madeleine Kingsley
Bachelor of Information Technology graduate
Senior UX Designer, Virgin, Brisbane
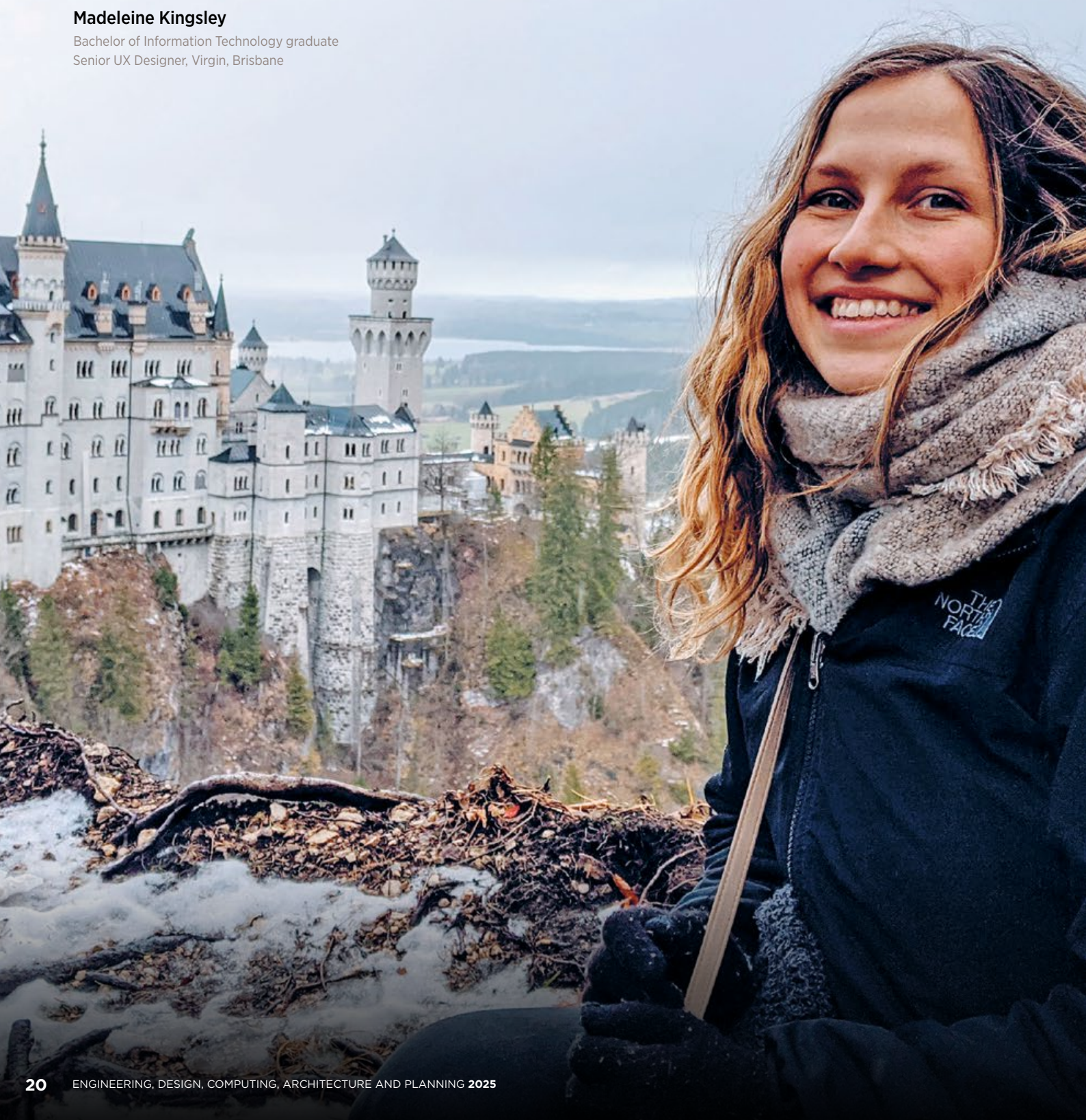
Gain a **bachelor's and master's** in 4 years with a UQ vertical dual degree

Pursue your passions, broaden your skillset and increase your employment opportunities with a vertical dual degree in computer science.

UQ's vertical dual degrees enable students to gain a bachelor's and master's degree in 4 years, instead of 5.

With a Commonwealth-supported place** throughout the program, you will study the Bachelor of Computer Science before commencing in a master's program in Data Science or Cyber Security.

Make yourself more employable and ready to launch into an exciting career with skills in high demand from some of the world's biggest technology corporations.

Bachelor of Computer Science / Master of Data Science

The Bachelor of Computer Science is designed to provide a deeper understanding of all aspects of computer technology. With a Master of Data Science, you will be expertly placed to solve big data challenges across business, social, government and health data.

Bachelor of Computer Science / Master of Cyber Security

The Bachelor of Computer Science will teach you how to create and analyse computer-based systems. With a Master of Cyber Security, you'll be able to look at the field from a different angle, ask bigger questions, and find new ways to tackle real and emerging cyber security threats.

Entry requirements for a vertical degree

ATAR
97.00

IBAS
39.5

For further information, please visit:
study.uq.edu.au

How a vertical dual degree works

Commence in a vertical dual degree

Years 1 + 2

Study the Bachelor of Computer Science

Choose any major:
+ Cyber Security
+ Data Science
+ Machine Learning
+ Programming Languages
+ Scientific Computing

Year 3

Study some master's courses

Students have the option to exit with a Bachelor of Computer Science at the end of Year 3

Year 4

Complete the Master of Cyber Security* or Master of Data Science

Graduate with 2 degrees

* The vertical dual degree is only possible with the Cyber Defence or Cryptography fields in the Master of Cyber Security component.

**Commonwealth supported places are currently available for domestic students in these programs.

Interaction Design Exhibit

The Interaction Design Exhibit is the culmination of the Physical Computing and Interaction Design Studio course. This is one of the capstone courses for students majoring in User Experience Design within the Bachelor of Information Technology and Master of Interaction Design.

In this design computing course, students explore the theme 'Future Everyday: Novel Interactions for Near Future Technologies' – and investigate design opportunities for technology in our everyday lives.

Focusing on this theme through creativity and inspired by science fiction, students will design concepts for novel technology-mediated experiences that uphold, reveal and explore human values (e.g. emotional intelligence, creative learning, and sustainability) in specific contexts – think Internet of Things, tangible interaction and persuasive technology.

2023 Student Project
Groove Music Cube

Designed to ignite your creativity, this project is an interactive installation that invites people to explore the world of music using everyday objects. Each cube is equipped with sound-making capabilities that allows people to compose beats and experiment with acoustic effects. Dive into a multi-sensory experience as the project also brings your compositions to life through captivating visualisations.

Designed by Thisura Senarath, Zheheng Yang, Qianqian Li, Yue Jin, Guo Cheng

Your Information Technology degree

With an IT degree, your career possibilities are endless. Tech skills are applied to a diverse range of applications in a large number of industries, from e-commerce to health and entertainment.

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. The knowledge and skills you learn can also take you abroad, working internationally.

Your journey as an information technology student

Year 1	Year 2	Year 3	Year 4 (optional)
Fundamental courses	Discipline-specific courses	Capstone project course	B Information Technology (Honours)

Studio-based team projects

Start your Bachelor of Information Technology (IT) studies

You can join over 220 clubs and societies at UQ

Select one of 3 IT study areas

Consider Study Abroad semester

Budding student entrepreneurs can consider the UQ Ventures program

Graduate from the Bachelor of IT

Gain a degree accredited by the Australian Computer Society, which enables you to work anywhere in the world

Complete a research project

Graduate from the Bachelor of IT (Honours)

EAIT Student employability team

Getting you employed is our top priority. Get in touch with our Employability Team for industry networking events and workshops, personalised career-prep consultations and placement opportunities.

#1
in Queensland for Computer Science and Information Systems

QS World University Rankings by Subject 2023

3 of the top 20 in demand jobs include:
- Software and applications programmers
- ICT business and systems analysts
- Database and systems administrators, and ICT security specialists.

Labour Market Update report, Jobs and Skills Australia 2023

Bachelor of
Information Technology

The future needs big ideas, fast movers, and people with creativity and talent. UQ's Bachelor of Information Technology will give you specialised skills and knowledge to meet the needs of a rapidly changing world.

QTAC CODE	UQ CODE	MINIMUM SELECTION THRESHOLD 2024< ATAR / IBAS	LOWEST ATAR TO RECEIVE AN OFFER 2024>		DURATION	START SEMESTER	CAMPUS	HONOURS	DUAL PROGRAM AVAILABLE	ADMISSION REQUIREMENTS
			ADJUSTED	UNADJUSTED						
733001	2453	84.00 / 30.50	89.50	87.50	3 years full-time (or part-time equivalent)	1, 2	St Lucia	Additional year of study	Arts, Business Management, Commerce, Design, Engineering (Honours), Science	Qld Year 12 (or equivalent) General English subject (Units 3 & 4, C); Mathematical Methods (Units 3 & 4, C)

See 'Program table explained' on page 64
< Minimum (adjusted) selection threshold 2024 is the minimum score that was considered for an offer of a place to all applicants.
> Lowest ATAR to receive an offer refers to all recent secondary students who were offered a place for Semester 1, 2024. The Lowest ATAR (Adjusted) refers to the ATAR plus any adjustment factors. The Lowest ATAR (Unadjusted) refers to the lowest ATAR excluding any adjustment factors.

What you will study

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.

UQ's Bachelor of Information Technology delivers the best of both worlds and covers both the theory and practice of computing by providing a strong foundation of knowledge, backed up with a high-level of practical application.

Studio courses provide students the opportunity to creatively apply knowledge and skills in open ended projects.

Through flexible study plans, you can specialise in areas including computer systems and networks, software information systems, software design and user experience design.

Students demonstrating their project at the 2023 Interaction Design Exhibit

Majors you can specialise in

User Experience Design

New technologies only succeed if they work for people. User Experience (UX) designers are the people who ensure the design of software, websites, or technologies meets their intended use – from commercial software to websites, personal applications, and everything in between. The User Experience Design study area is for anyone who wants to work in the multi-skilled field of human-centred design. UX designers work across all sectors of ICT, where their combination of people skills, creativity and technical abilities are in demand. Courses in this major focus on design skills and creativity, programming and prototyping in different media. Design skills are consolidated in Design Computing studio courses.

Software Design

There is a significant sector within the global IT industry that develops applications such as apps for mobile devices, or tools and systems used by individuals, government and other companies.

This study area is aimed at students who wish to follow a career in the creation and management of software applications. Courses focus on programming, software development, requirements analysis, specification and the software process, as well as software applications involving web design, human–computer interaction, algorithms, data structures and concurrency.

Software Information Systems

Software information systems are integral to almost every business and government organisation. In this study area, you will develop the skills to design and build the information systems used everywhere in our modern life: in retail, banking, health care, transport, education, entertainment, science and engineering. During your studies, you'll not only learn how to create large, effective and efficient information systems, but also how to maximise the system's performance.

Minor

Computer Systems

You can also minor in Computer Systems. This minor gives you a strong background in understanding how software is controlled on one or many computers, including security, networking and operating systems. It is a strongly technical minor, requiring strong conceptual and programming skills.

Courses focus on programming, computer architecture, computer networks, networks programming, and operating systems. Graduates can look forward to careers in security, design of new cutting-edge computer systems and integration of large-scale systems based on networked machines.

More information
Visit **study.uq.edu.au** or scan the QR code
CRICOS CODE 001952K

"The best knowledge I gained from studying a Bachelor of Information Technology at UQ was how to effectively learn new things. It's easy to get overwhelmed when presented with something you know very little about, but by being guided through the process, it's now much easier to pick up new and exciting concepts. I still use the base knowledge I learned through the first- and second-year programming courses every day.

My favourite part of my job is the satisfaction of finding a pain point that affects someone's day-to-day life and creating a solution that makes their life easier."

Nathan Dench
Bachelor of Information Technology (Software Design) graduate
Co-founder and Software Engineer, ProcurePro, Brisbane

Engineering at UQ

Bachelor of
Engineering (Honours)

Intellectual boldness? Technological proficiency? The power to solve society's challenges and create a better world? Study engineering at UQ and you'll graduate with all these qualities, with the skills to use them in a career as remarkable as you are.

QTAC CODE	UQ CODE	MINIMUM SELECTION THRESHOLD 2024< ATAR / IBAS	LOWEST ATAR TO RECEIVE AN OFFER 2024>		DURATION	START SEMESTER	CAMPUS	HONOURS	DUAL PROGRAM AVAILABLE	ADMISSION REQUIREMENTS
			ADJUSTED	UNADJUSTED						
717001	2455	84.00 / 30.50	84.10	80.35	4 years full-time (or part-time equivalent)	1, 2	St Lucia	Part of standard program, awarded based on weighted cumulative grade point average	Arts, Biotechnology, Business Management, Commerce, Computer Science, Design, Economics, Information Technology, Mathematics, Science	Qld Year 12 (or equivalent) General English subject (Units 3 & 4, C); Mathematical Methods (Units 3 & 4, C); and one of Chemistry or Physics (Units 3 & 4, C). Students studying Specialist Mathematics (Units 3 & 4, C) and both Physics and Chemistry will have increased flexibility in their studies

See 'Program table explained' on page 64.

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What will you study

The Bachelor of Engineering (Honours) prepares you for a career addressing some of the key challenges of the 21st century, such as water resources, infrastructure and communication, food and health services supply, and sustainable energy development.

We've crafted a curriculum with industry experiences throughout your degree and more study options for greater career opportunities, so you're prepared for the jobs of the future. In the Bachelor of Engineering (Honours) you'll develop technical skills through a core specialisation, which will form the basis of your career.

You will also have the opportunity to complement your engineering specialisation with a major in one of the new and emerging areas of engineering. Our broad range of majors allows you to further tailor your studies to match your career aspirations and deep dive into your interests.

With a great selection of courses, we're preparing you for the **jobs of the future.**

#1
in Queensland for overall engineering teaching quality and learning resources

Student Experience Survey 2022

YEAR 01 + YEAR 02 + YEAR 03 + YEAR 04

Flexible first year

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.

Choose a specialisation

Choose a specialisation and study courses specific to your career aspirations. There are 6 specialisations to choose from (see table below).

Consolidate your study and choose a major

This is where you consolidate your learning in your chosen major to match your individual career goals. This is a great time to undertake an exchange semester to broaden your knowledge and networks.

study.uq.edu.au/study-options/study-abroad

Apply your skills

Get ready for the workforce by applying the skills you've learnt throughout your degree to an industry-related or research project.

A degree that fits your ambition

Whether it's about adapting to new trends and innovations, or moving seamlessly across sectors, we're offering an education that gives you flexibility – no matter what you choose to do.

With a greater selection of courses, we're preparing you for the jobs of the future. You have the opportunity to complement your undergraduate engineering specialisation with a major or minor in one of the new and emerging areas of engineering. You'll gain technical expertise, and sharpen your critical thinking and research skills to find answers to pressing questions.

More information

Visit **study.uq.edu.au** or scan the QR code

CRICOS CODE 080734K

Specialisations

	Chemical	Civil	Electrical	Mechanical	Mechatronic	Software
MAJORS						
Aerospace				✓		
Biomedical	✓		✓	✓		
Bioprocess	✓					
Computer			✓		✓	✓
Environmental	✓	✓				
Geotechnical		✓				
Materials	✓			✓		
Metallurgical	✓					
Mining		✓		✓	✓	
Structural		✓				
Transport		✓				
Water & Marine		✓				
MINORS						
Computing	✓	✓	✓	✓	✓	
Data Science	✓	✓	✓	✓	✓	✓
Design	✓	✓	✓			✓

Bachelor of
Engineering (Honours) / Master of Engineering

Combine your undergraduate and postgraduate studies together in one unique integrated degree to open more opportunities for your career.

QTAC CODE	UQ CODE	MINIMUM SELECTION THRESHOLD 2024< ATAR / IBAS	LOWEST ATAR TO RECEIVE AN OFFER 2024> ADJUSTED	UNADJUSTED	DURATION	START SEMESTER	CAMPUS	HONOURS	ADMISSION REQUIREMENTS
717111	2350	97.00 / 39.50	97.00	92.05	5 years full-time (or part-time equivalent)	1, 2	St Lucia	Part of standard program, awarded based on weighted grade point average	Qld Year 12 (or equivalent) General English subject (Units 3 & 4, C); Mathematical Methods (Units 3 & 4, C); and one of Chemistry or Physics (Units 3 & 4, C). Students studying Specialist Mathematics (Units 3 & 4, C) and both Physics and Chemistry will have increased flexibility in their studies

See 'Program table explained' on page 64.

< Minimum (adjusted) selection threshold 2024 is the minimum score that was considered for an offer of a place to all applicants.

> Lowest ATAR to receive an offer refers to all recent secondary students who were offered a place for Semester 1, 2024. The Lowest ATAR (Adjusted) refers to the ATAR plus any adjustment factors. The Lowest ATAR (Unadjusted) refers to the lowest ATAR excluding any adjustment factors.

What you will study

Develop the skills and knowledge you need to get a head start in an engineering career that requires specialist skills and adaptability, or to give you the edge when applying for a higher degree by research.

This 5-year program is designed to give you an overall education in engineering as well as specialist knowledge in fields such as civil or software engineering. You'll graduate job-ready with a comprehensive knowledge of engineering and a range of practical skills.

Depending on the field of study chosen, you can undertake a full-time placement with industry or a research institution either in Australia or overseas, and complete advanced coursework and project work in your final year, or you can undertake a supervised master's thesis on a relevant topic and be involved with all aspects of research, including defining a research question, establishing a methodology and reporting on your findings.

Fourth-year students have the opportunity to study overseas with the European Double Degree program. This allows you to learn from some of the best engineering and technical teachers in the world, and graduate with an additional master's degree from one of our partner universities.

Fields of study

The Bachelor of Engineering (Honours) / Master of Engineering fields of study include:

+ Chemical Engineering
+ Chemical and Biomedical Engineering
+ Chemical and Bioprocess Engineering
+ Chemical and Environmental Engineering
+ Chemical and Metallurgical Engineering
+ Civil Engineering
+ Civil and Environmental Engineering
+ Electrical Engineering
+ Electrical and Biomedical Engineering
+ Electrical and Computer Engineering
+ Mechanical Engineering
+ Mechanical and Aerospace Engineering
+ Mechanical and Materials Engineering
+ Mechatronic Engineering
+ Software Engineering.

European Double Degree

Take your study overseas and get both a UQ and European master's degree.

As part of the Bachelor of Engineering (Honours) / Master of Engineering program, you have an exciting opportunity to study at one of our premier European partners and to graduate with 2 master's degrees – one from our partner university, as well as the integrated Bachelor/Master degree from UQ.

Where can you study?

Technical University of Munich (TUM)
Location: Munich, Germany

Lund University
Location: Lund, Sweden

CentraleSupéléc (CS)
Location: Paris-Saclay, France

Politecnico di Milano (POLIMI)
Location: Milan, Italy

More information
Visit **study.uq.edu.au** or scan the QR code
CRICOS CODE 080724A

Your integrated master's over 5 years

YEAR
01 +

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.

YEAR
02 +

Choose an engineering field of study

Choose a study area and undertake courses specific to your career aspirations. There are 16 areas to choose from (refer to the table, left).

YEAR
03 +

Consolidate your study

Consolidate your learning in your chosen study area to match your individual career goals. This is also a great time to undertake an exchange semester.

uq.edu.au/uqabroad

YEAR
04+05

Master's courses / industry placement

Undertake a semester-long industry or research placement. Your interest and career ambitions will be the driving force behind what you choose to do.

Study advanced-level specialist courses in your discipline and gain exposure to the challenges of engineering.

Why study the integrated master's degree at UQ?

Here are 5 good reasons...

01
Breadth and depth of knowledge

This dynamic 5-year program will provide you with an overall education in engineering as well as specialist knowledge in fields such as civil or software engineering. You'll graduate job-ready with a comprehensive knowledge of engineering and a range of practical skills.

02
Wide range of study areas

With 15 fields of study to choose from, the Bachelor of Engineering (Honours) / Master of Engineering program offers the largest range of study areas of any program of its kind in Australia. This means you can tailor your studies to suit your career ambitions.

03
Industry placement

As part of the program, you'll undertake a semester-long placement within industry or a research institute. The best part is our industry placement teams will work with you to secure the placement and provide support throughout the semester to ensure your ongoing success.

04
Unique overseas opportunity

In your fourth year, you can take your study overseas. Unique to UQ, this program is exclusively for Bachelor of Engineering (Honours)/Master of Engineering students and allows you to study at some of the best engineering and technical schools in the world. Along with an international experience, you'll graduate with 2 degrees, one from UQ and a European degree.

Visit **eait.uq.edu.au/global-experiences/ international-double-degree** for available specialisations and universities.

05
Outstanding employment opportunities

In 2023, 76 per cent of students were offered ongoing employment opportunities with their placement provider.

Where can you go?

A career in engineering can be extremely rewarding, where you'll be at the forefront of design, development and implementation.

At UQ, we will teach you the skills you'll need to meet the world's most complex challenges and engineer a better future for us all. We will empower you with the fearlessness and creativity to innovate where others fall short.

The demand for innovative and forward-thinking engineers has never been so great.

Skills you need

Problem-solving

Innovation

Analytical thinking

Communication

Creativity

Teamwork

Critical thinking

Advanced Manufacturing
Be a part of a growing industry – think manufacturing of food and beverages, natural resources, plastics, and automobiles.

Built Environment
Reimagine urban infrastructure, design smart sustainable buildings or focus on people and improve quality of life.

Digital Design + Technology
Hone your technological skills, master the digital, and prepare yourself for a lifetime of success in the digital design and technology space.

Sustainable Energy
Tackle our world's global energy challenges. Design new ways to harness and store energy for a sustainable future.

Environment
Gain a deeper understanding of our planet and how to protect, manage and maintain the delicate balance of life.

Health
Join the exciting world of biomedical engineering and develop materials, devices and processes that improve and save lives.

Resources
Through automation and sustainable processes, build the most environmentally friendly and productive resource sector we've ever seen.

Space
A career in space could be anything from designing and manufacturing aircrafts, satellites and drones, to developing more efficient rockets.

Industry experiences throughout your degree

Contact with industry is embedded throughout the curriculum.

From your first semester, you will be hands-on in student labs, working on projects designed by professional engineers. Throughout your degree you will be supported by our Student Employability Team who can help you find that all-important graduate role.

You will also have access to the latest industry-grade equipment at our makerspace – UQ Innovate – a place where you can collaborate and create in a friendly and supportive environment.

You'll work in teams to design and prototype scalable solutions to real engineering problems across all disciplines. Whether it is an industry design project creating a process for producing biofuels,

or hands-on design, build and test experiences for biomedical applications, we are preparing you for your future – whatever it might be.

By embedding these experiences throughout your degree, when you graduate, you'll possess a distinct blend of creative and practical abilities. This will prepare you to deliver sustainable solutions that benefit communities all over the world.

Clubs and Societies

University isn't just about hitting the books – we also have a huge range of extra-curricular activities to make sure you have the best fun at uni, while getting a world-class degree.

Getting involved in one of UQ Union's 220+ clubs and societies will allow you to make new friends, expand your network and attend heaps of fun events. Clubs and societies can relate to your field of study as well as your interests and hobbies, such as dancing, the arts, social justice, politics, language and culture, and so much more.

Making connections with your peers is important because one day they could be your future employers, interviewers, colleagues or industry connections.

For more information

Visit uqu.com.au/connecting-u/clubs-societies

Bachelor of
Engineering (Honours)

Chemical Engineering

Chemical engineers play a critical role in transforming raw materials into useful products such as healthy foods, clean water, metals, medicines and sustainable energy.

UQ's chemical engineering degree is based on industry-relevant majors and minors that provide depth and breadth to your learning.

As a UQ chemical engineering student, you'll develop critical skills and systems thinking coupled with engineering fundamentals to enable you to design and create a diverse range of products and processes to enhance the lives of others.

You will develop the expertise and gain relevant experience to find employment in well-established petroleum and petrochemical organisations; environmental protection, management and safety industries; food processing and production; and in natural resource use and recovery industries, but also emerging and rapidly developing industries focused on renewable energy, the circular economy, biopharmaceutical and biotherapeutics, and other health-related endeavours.

From day one, you'll experience hands-on learning, and this will continue throughout your degree with industry field trips and placements, making you industry-ready.

Majors and Minors in the Chemical Engineering Specialisation

Chemical

Majors

- Bioprocess
- Environmental
- Metallurgical
- Biomedical
- Materials

Minors

- Data Science
- Design
- Computing

Bachelor of Engineering (Honours) / Master of Engineering
Chemical Engineering

If you want to lead your field, advance the boundaries of knowledge and develop high-level competence and expertise, the integrated Bachelor of Engineering (Honours) / Master of Engineering degree is for you.

This degree combines our undergraduate engineering program with master's level coursework, a design project and optional thesis, and a semester-long placement with an industry or research partner. These fields of study are designed to provide specialist knowledge of the various disciplines and place you closer to the leading edge of technology.

Fields of study in Chemical Engineering

- Chemical
- Chemical and Biomedical
- Chemical and Bioprocess
- Chemical and Environmental
- Chemical and Metallurgical

More information
Visit **study.uq.edu.au**
or scan the QR code

What you can study

Chemical

Drawing on detailed process development, modelling, and systems thinking, chemical engineers apply new approaches and big picture thinking to reduce waste and energy consumption.

You will explore topics including energy and mass flows, safety and sustainability, and the possibilities of interconnected systems.

You will benefit from the insights and expertise of world-leading researchers and highly qualified academic staff.

With practical projects, guest lecturers from industry, and internships and placements with leading engineering companies, you will gain the knowledge, skills and industry connections needed to transition from university to the workplace.

Biomedical

Biomedical engineers create materials, devices and processes for better health outcomes. Applications include nanoparticles for precise delivery of medicines, bioprinted patient-specific tissues and organs, devices to detect and treat illnesses before they impact our health, and the large-scale manufacture of immune cells to fight cancer or cardiac cells to treat a broken heart.

This involves learning how to apply the critical and deep systems thinking intrinsic to chemical engineering design and processes to one of the most complicated and integrated biological systems we know – the human body.

Bioprocess

Bioprocess engineering combines the core principles of chemical engineering and biology for scalable production of medicines – such as vaccines during pandemics – foods, and beverages. The same principles are applied to treating wastewater and converting waste streams into valuable products, such as biofuels or biodegradable plastics. This involves engineering living cells to produce desirable products, and designing and optimising processes to manufacture bioproducts at scale to benefit society.

Environmental

Environmental engineering enhances the resilience and sustainability of our natural ecosystems and the products and processes that support modern society. This requires integration of technical innovations, design and development with an understanding of natural systems. You will explore how to assess, measure and develop solutions for managing resources such as energy, water, building materials, food and waste sustainably.

Materials

Materials engineers create new materials and improve existing materials by making them more functional, sustainable and affordable. They also develop strategies for effective reuse and recycling of products as we work towards a circular economy. You will learn how to design, select, and process materials to make valuable products. Your studies will explore a wide range of applications, from biomaterials and nanomaterials to 3D printing at scale.

Metallurgical

Metallurgical engineers play a vital role in developing, managing and improving the processes required to transform ore into metals and recycle metals into useful products. With a strong focus on efficiency and sustainability, these engineers are involved in the physical and chemical processing of metals from crushing, extraction and purification through to product development. In this major, you will study the modelling, design, and economics of resource industry processes.

More information

Visit **study.uq.edu.au** or scan the QR code

Bachelor of
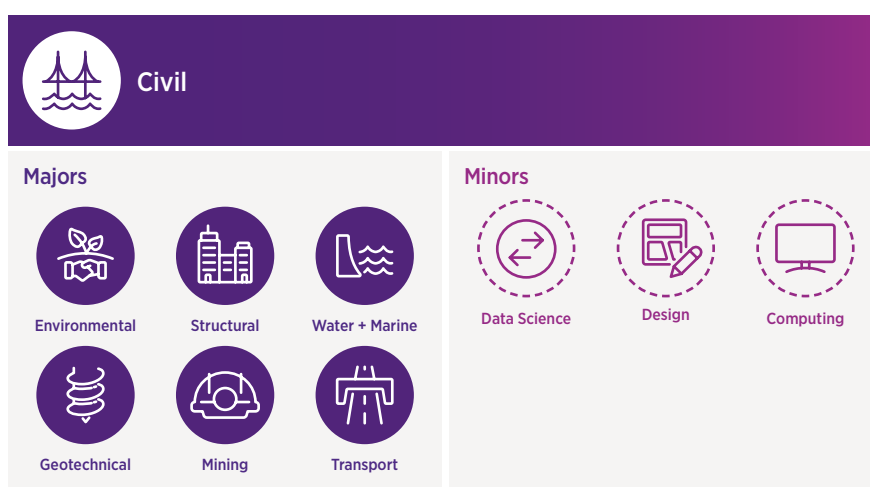# Engineering (Honours)

Civil Engineering

Unleash your creative vision and gain the specialised skills you need to design and build a world that is beautiful, functional and sustainable.

Civil engineers plan, design, construct and maintain infrastructure such as buildings, dams, airports, and transport networks. They protect and improve the natural environment while also meeting the changing needs of society.

From your first semester, you will work on projects designed by professional engineers. You'll work in teams to design and prototype scalable solutions to real engineering problems and set the foundation to become a professional engineer. You'll study a range of courses covering programming, mathematics, statics, and materials, with the flexibility to choose electives that prepare you for your specialisation.

The civil engineering specialisation enables you to develop technical skills, complemented with an understanding of how both the built and natural environments perform and adapt to environmental challenges such as climate change, natural disasters and future population needs.

Majors and Minors in the Civil Engineering Specialisation

Civil

Majors

- Environmental
- Structural
- Water + Marine
- Geotechnical
- Mining
- Transport

Minors

- Data Science
- Design
- Computing

Bachelor of Engineering (Honours) / Master of Engineering
Civil Engineering

If you want to lead your field, advance the boundaries of knowledge and develop high-level competence and expertise, the integrated Bachelor of Engineering (Honours) / Master of Engineering degree is for you.

This degree combines our undergraduate engineering program with master's level coursework. Depending on your field of study, a thesis, design project or a semester-long placement with an industry or research partner is required. These fields of study are designed to provide specialist knowledge of the various disciplines and place you closer to the leading edge of technology.

Fields of study in Civil Engineering

- Civil
- Civil and Environmental

More information
Visit **study.uq.edu.au**
or scan the QR code

What you can study

Civil

You will gain technical skills in building materials, the design of structures, hydrology, geotechnical engineering, fire safety, marine and transport systems. This is complemented with an understanding of natural systems and the analysis techniques used to examine how both the built and natural environments perform and adapt to environmental challenges such as climate change and associated shifts in rainfall, wind, flooding and natural disasters, as well as future population needs.

Environmental

Environmental engineering enhances the resilience and sustainability of our natural ecosystems and urban environments. This requires integration of technical innovations, design and development with an understanding of natural systems. You will explore how to assess, measure and develop solutions for managing resources such as energy, water, building materials, food and waste sustainably.

Geotechnical

The understanding and prediction of the behaviour of soil and rock as earth materials is imperative for creating safe, sustainable and economical civil engineering solutions. Geotechnical engineers apply scientific principles and engineering methods for developing civil engineering infrastructure on the surface and within the ground including prediction, mitigation and prevention of geological hazards.

Mining

Civil engineers with specialist skills in mining engineering look at all phases of mining operations with a focus in geomechanics. From exploration and discovery, through feasibility, development, production, processing and marketing, to final land restoration and rehabilitation. Responsibility for the development and production phases of a mine requires a broad knowledge of all mining operations and skills in leadership and industrial relations.

Structural

Structural engineers must constantly evolve to anticipate the materials, environments, and technologies that will shape our future buildings. They use innovative materials and manufacturing methods to design efficient, adaptable, and sustainable building infrastructure.

As this infrastructure must be resilient in the face of a changing environment, so structural engineers must also understand the future hazards and risks likely to arise, whether from cyclones, earthquakes, or other natural disasters.

Transport

Transport engineers work to make our everyday travel smarter and faster. They harness the power of big data analytics to learn more about how people travel around cities, and design new ways to shape their movement to reduce the density and congestion of our transport networks. This expanding information environment is also being harnessed by transport engineers to drive future mobility innovations, such as integration of autonomous and electric vehicles, and the use of predictive video analytics that can identify and prevent crashes.

Water and Marine

Coastal and hydraulic engineers design and protect our urban waterways, hydraulic structures, coastlines, and oceans. Advanced monitoring and modelling technologies allow them to predict and mitigate the risks of coastal flooding, land loss, and beach erosion.

Bachelor of
Engineering (Honours)

Electrical Engineering

Are you passionate about renewable energy? Do you want to discover new ways to generate power? Are you interested in building digital devices that transmit data across the world?

Electrical engineers work in exciting roles in health care, communications and power generation organisations.

From the very start of your electrical engineering degree, you'll be introduced to the way professional engineers think and work, combined with hands-on courses involving engineering design, physical prototyping and modelling.

From there, you'll develop technical skills through studying core electrical engineering courses, which will form the foundations of your career. You'll also have the option to complement your specialisation with a major in biomedical or computer engineering, or minor in data science, design or computing.

Depending on the major you choose, you'll study courses in electrical and computer systems, biomedical instrumentation and medical imaging, gaining the skills and capabilities to succeed in a multitude of industries.

Majors and Minors in the Electrical Engineering Specialisation

Electrical

Majors

Biomedical

Computer

Minors

Data Science

Design

Computing
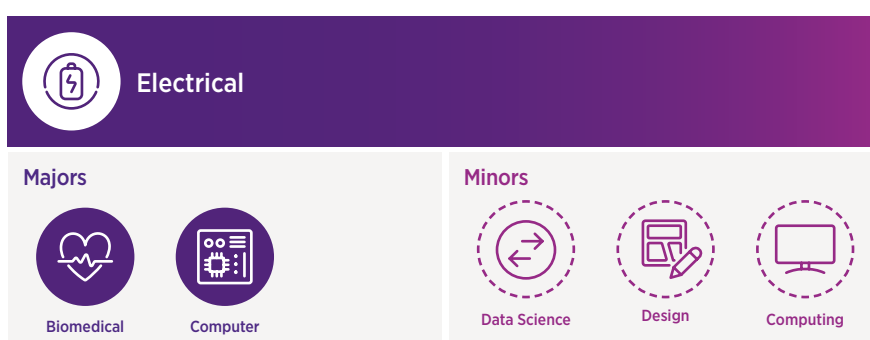
Bachelor of Engineering (Honours) / Master of Engineering
Electrical Engineering

If you want to lead your field, advance the boundaries of knowledge and develop high-level competence and expertise, the integrated Bachelor of Engineering (Honours) / Master of Engineering degree is for you.

This degree combines our undergraduate engineering program with master's level coursework and a semester-long placement with an industry or research partner. These fields of study are designed to provide specialist knowledge of the various disciplines and place you closer to the leading edge of technology.

Fields of study in Electrical Engineering

Electrical

Electrical and Biomedical

Electrical and Computer

More information
Visit **study.uq.edu.au**
or scan the QR code

What you can study

Electrical

Within the electrical engineering discipline, you will learn to design and manage equipment used in industries such as telecommunications, electricity generation, renewable energy and healthcare applications. You will have the opportunity to investigate embedded systems that contribute to almost every sector of society.

These systems include smartphones, electrical power and renewable energy to provide electricity for our daily use, medical imaging systems for improved health care, electrical appliances for homes, scientific instruments for laboratories, lasers for reliable high-speed communication, satellite systems for remote sensing of the environment, and reliable energy systems to power all of these.

With much of your studies being hands-on, you will leave university with highly regarded specialist technical skills. This flexible and transportable degree will open opportunities with major companies across the globe.

Biomedical

Biomedical engineers create materials, devices and processes for better health outcomes. They have revolutionised healthcare for entire populations with the invention of devices and machines such as pacemakers and ultrasounds. In fact, some may say that biomedical engineers are responsible for saving more lives than doctors.

Biomedical engineering combined with electrical engineering connects technology with medicine. This major incorporates all electrical engineering subjects with specialised coursework in the use of electronics in healthcare.

Your studies will include how to design, construct and maintain health-monitoring devices, and diagnostic systems such as magnetic resonance imaging (MRIs). You will explore the fundamentals of medical signal processing, such as how to analyse electroencephalograms (EEGs), and explore how biomedical devices operate. Students also learn how to interpret the electrical signals produced by these devices.

Computer

Do you want to create the next generation of iPads, laptops or PCs? Are you interested in building computers that control machinery, medical instruments, cars, whitegoods, robots, communications equipment and satellites?

Computer engineers design and manage computer-based systems, including any device that has a computer embedded in it. That is almost every device these days, ranging from smart watches to smart home devices, smart home appliances to network routers and conventional desktop and laptop computers, to the hundreds of computer chips that can be found in modern cars, and more that will be found in future self-driving cars.

This study area will equip you with the skills and knowledge you need to claim your place within a high-growth industry.

During your studies, you will gain skills in digital logic design, computer networks, embedded and desktop operating systems, microcontroller selection and programming, electronics, telecommunications and signal processing.

More information
Visit **study.uq.edu.au** or scan the QR code

"UQ engineering offers a flexible approach that enables immersion into all disciplines. The UQ program offers an emphasis on teamwork, communication skills and project management. Not only is UQ one of the best universities in the world, but the exciting campus lifestyle highlights the true essence of university life. For the future, UQ also has incredible graduate career prospects."

Chloe
Bachelor of Engineering (Honours) (Electrical and Biomedical) student

Bachelor of
Engineering (Honours)

Mechanical Engineering

From planes, trains and automobiles through to artificial hearts, elevators and the world's largest power stations, mechanical engineering involves anything and everything with moving parts.

Mechanical engineering is the driving force behind many of the great technical achievements of our age and the innovations of our future. It involves the responsible development of products, processes and power, at scales ranging from nano to large and complex systems.

If you want to understand modern technology as well as the infrastructure on which our society is built, then you probably want to be an engineer. And, if you like physics and things that move, then you want to be a mechanical engineer.

Ranked number one for mechanical, aeronautical and manufacturing engineering in Queensland*, our degree delivers a solid grounding in the principles and practice of mechanical engineering. Our mechanical engineering degree will prepare you to engage in ethical approaches to engineering, with concern for society and the environment.

*QS World University Rankings 2023

As a UQ mechanical engineering graduate, you'll benefit from an education that enables you to make a real difference to the world while, at the same time, pursuing a successful and rewarding career.

Majors and Minors in the Mechanical Engineering Specialisation
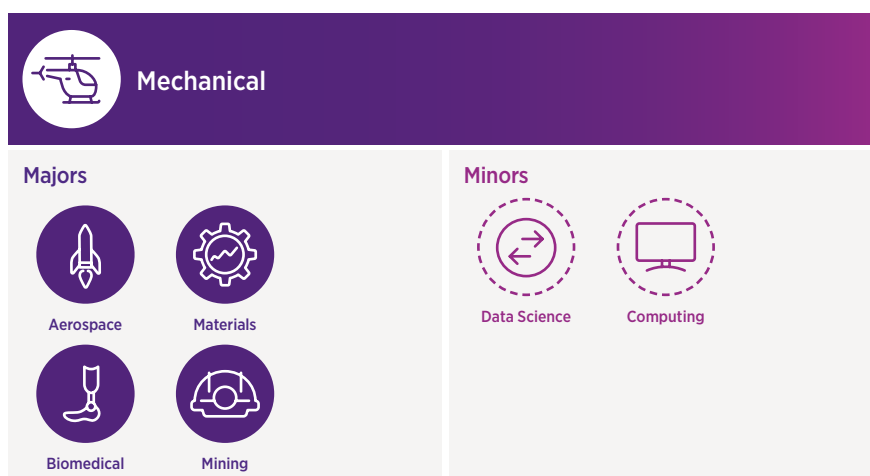
Mechanical

Majors

Aerospace

Materials

Biomedical

Mining

Minors

Data Science

Computing

Bachelor of Engineering (Honours) / Master of Engineering
Mechanical Engineering

If you want to lead your field, advance the boundaries of knowledge and develop high-level competence and expertise, the integrated Bachelor of Engineering (Honours) / Master of Engineering degree is for you.

This degree combines our undergraduate engineering program with master's level coursework and a semester-long placement with an industry or research partner. These fields of study are designed to provide specialist knowledge of the various disciplines and place you closer to the leading edge of technology.
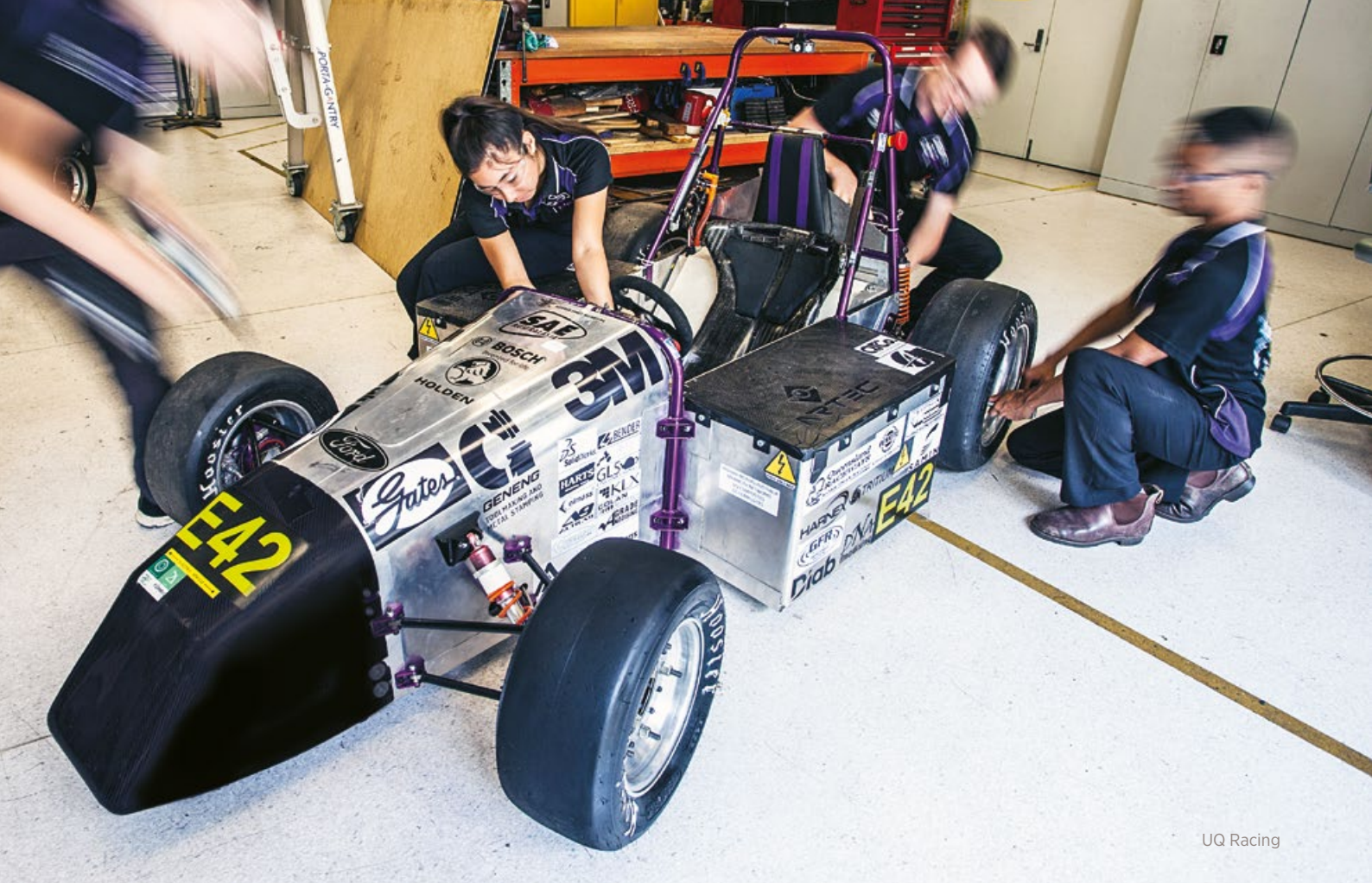
Fields of study in Mechanical Engineering

Mechanical

Mechanical and Aerospace

Mechanical and Materials

More information
Visit **study.uq.edu.au**
or scan the QR code

UQ Racing

What you can study

Mechanical

In this broad area of engineering, you will learn how to design, manufacture and control machines and engines ranging from power generators through to manufacturing systems. You'll also have access to innovative technologies and our specialist workshop areas (including our race car workshop) where you can practise your new skills.

You will study air, heat and energy flows, and learn how to control and automate machines. Using your strong analytical skills, you will identify and develop solutions for all kinds of mechanical challenges, and gain an excellent understanding of how machines are used in everyday conveniences from refrigerators to sound production, roller-coasters and computers. You will develop expertise in creating precision machinery and apply the fundamentals of physics, chemistry, biology and technology to leverage the latest advances in cutting-edge nanotechnology.

More information
Visit **study.uq.edu.au**
or scan the QR code

Aerospace

Aerospace engineering is all about flight, whether that's planes, helicopters or rockets. Mechanical engineers with a major in aerospace engineering design more fuel-efficient aircraft that cut emissions, design the fleets of satellites that power modern GPS technology, and create the next generation of spacecraft for missions to Mars and beyond. You will learn how to design and manufacture aircraft, and launch vehicles, satellites, drones, spacecraft and ground support facilities. This dynamic major incorporates industry-based project work to help ensure graduates futureproof their careers through the development of powerful industry connections and professional networks.

Biomedical

Biomedical engineers create materials, devices and processes for better health outcomes. Working in the biomedical industry, mechanical engineers change lives. They create better, more lifelike artificial limbs to improve quality of life for injured and disabled people. Pacemakers, artificial valves and even robotic surgical assistants are all the work of mechanical engineers, as are the running blades used at Paralympic events.

Materials

Materials engineers improve the way we do things. They assess mechanical processes and find ways to make them more efficient, safer, and deliver better quality. This means they directly affect almost every major mechanical industry in the world, from water supply and oil and gas through to pharmaceuticals and food manufacturing. You will learn how to select, process and develop materials to design and make products, and explore the impacts of temperature during processing, as well as the relationships between microstructures, mechanical properties, manufacturing and service performance.

Mining

As a mechanical engineer with expertise in mining engineering, you will help ensure our communities have the vital metals and minerals we need for the steel frames in our buildings through to the microprocessors in our laptops. In this major, you'll cover the big-picture challenges facing the minerals, mining and resource industries.

You'll study the fundamentals of mining engineering as a major in mechanical engineering, giving you the foundational knowledge and more career opportunities in the resource sector.

Bachelor of
Engineering (Honours)

Mechatronic Engineering

Are you ready for one of the most hands-on mechatronic degrees in Australia? Do you want to learn how to retrieve a submarine from the ocean floor or build an autonomous drone?

Mechatronic engineers are highly sought after for roles involving artificial intelligence systems, robotics, automated industrial machinery and avionics. You can find yourself working as a cyber security developer for IBM or roboticist developing interfaces for self-driving cars.

As one of the most hands-on mechatronic degrees in Australia, UQ's program combines robotics with computer science to take artificial intelligence to the next level.

Throughout your degree you will layer core engineering principles learnt in your first year, with technical knowledge and practical experiences gained in mechatronic engineering, to form the foundations of your career. You will also have the option to complement your specialisation with a major in computer or mining engineering, or minor in data science, design or computing.

Each year you'll showcase your acquired capabilities and complete a hands-on, project-based subject as part of a student team. This will involve designing and building a system to solve a mechatronics task.

Previous projects include a mini-rescue vehicle, autonomous drones and submarine recovery. You'll also complete a robotics project in your third year of study.

Majors and Minors in the Mechatronic Engineering Specialisation

Mechatronic

Majors

Computer

Mining

Minors

Data Science

Computing

Bachelor of Engineering (Honours) / Master of Engineering
Mechatronic Engineering

If you want to lead your field, advance the boundaries of knowledge and develop high-level competence and expertise, the integrated Bachelor of Engineering (Honours) / Master of Engineering degree is for you.

This degree combines our undergraduate engineering program with master's level coursework and a semester-long placement with an industry or research partner. These fields of study are designed to provide specialist knowledge of the various disciplines and place you closer to the leading edge of technology.

Fields of study in Mechatronic Engineering

Mechatronic

More information
Visit **study.uq.edu.au**
or scan the QR code

What you can study

Mechatronic

Mechatronic engineering integrates design principles, mechatronic systems, theory, communication skills and ethics. Your studies will incorporate the dynamics and materials of mechanical engineering along with electrical elements such as circuit design.

You'll explore concepts and practical applications in areas including artificial intelligence, signal and systems theory, and control theory. This knowledge will also be integrated with computer science as you learn how mechanical and electrical components work together.

Computer

Mechatronic engineers with a major in computer engineering design and manage computer-based systems, including any device that has a computer embedded in it. That is almost every device these days, ranging from smart watches to smart home devices, smart home appliances to network routers and conventional desktop and laptop computers, to the hundreds of computer chips that can be found in modern cars, and more that will be found in future self-driving cars.

This major will equip you with the skills and knowledge you need to claim your place in a high-growth industry. During your studies, you will gain skills in digital logic design, computer networks, embedded and desktop operating systems, microcontroller selection and programming, electronics, telecommunications and signal processing.

Mining

Mining is one of the most technologically advanced industries in Australia and the future of the resource sector is automation. In this major, you'll explore concepts and practical applications in artificial intelligence, signal and system theory and control theory and how this is applied in the resources industry. You'll learn how to design and manufacture industrial robots and smart machines that are aware of their surroundings and can make informed decisions, leading to safer and more productive jobs.

More information
Visit **study.uq.edu.au**
or scan the QR code

"After studying a coding subject in my first year, I started to consider software engineering (which had never occurred to me). After each new coding course, I was hooked, and decided to pursue programming. I eventually decided on Computer Science and Mechatronic Engineering to have the most flexibility, with a focus on software.

If I had to name my favourite memories, they would definitely be the events hosted by clubs and societies and being a part of the team that organised them. The community of club executives was one of the tightest I've been in since school."

Tom Nugent
Bachelor of Engineering (Honours) (Mechatronic) / Bachelor of Science (Computer Science) graduate
Backend Software Engineer, Canva, Sydney

Scan the QR code to hear more from Tom.
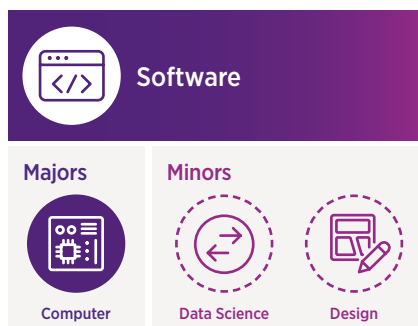
Bachelor of
Engineering (Honours)

Software Engineering

In a digital future, the opportunities for software are as limitless as the human imagination.

There are so many career options available to you with a degree in software engineering from UQ. As technology advances, programming is no longer restricted to IT or engineering firms alone, as most industries now require some form of software development. This allows for a lot of flexibility.

From your first semester, you will work on common engineering projects designed by professional engineers. You'll work in teams to design and prototype scalable solutions to real engineering problems and set the foundation to become a professional engineer. You'll study a range of courses covering programming, mathematics, and electrical and information systems, with the flexibility to choose electives that prepare you for your specialisation.

As you progress throughout your degree you'll explore the fundamentals of programming, software architecture, algorithms, and data structures. You'll also have the opportunity to demonstrate your acquired knowledge and technical skills and work in a team to build a significant software-based system according to a client brief and deadline.

Majors and Minors in the Software Engineering Specialisation

Software

Majors	Minors	
Computer	Data Science	Design

More information
Visit **study.uq.edu.au** or scan the QR code

What you can study

Software

Software engineering focuses on designing high-quality computer software, and offers focused studies in computer programming, databases, web-based computing, cloud computing and cyber security. It also explores formal software engineering, including how to design programs and systems that are free from errors, and are reliable, safe, efficient and manageable.

You will learn how to use computers to provide solutions and deliver high-quality code on time that can be integrated into existing operating environments. You will also use the principles of computer design, engineering, management, psychology and sociology in small or large multinational companies.

Computer

Do you want to create the next generation of iPads, laptops or PCs? Are you interested in building computers that control machinery, medical instruments, cars, whitegoods, robots, communications equipment and satellites?

Software engineers with a major in computer engineering, design and manage computer-based systems, including any device that has a computer embedded in it. That is almost every device these days, ranging from smart watches to smart home devices, smart home appliances to network routers and conventional desktop and laptop computers, to the hundreds of computer chips that can be found in modern cars, and more that will be found in future self-driving cars.

This major will equip you with the skills and knowledge you need to claim your place within a high-growth industry. During your studies, you will gain skills in digital logic design, computer networks, embedded and desktop operating systems, microcontroller selection and programming, electronics, telecommunications and signal processing.

Bachelor of Engineering (Honours) / Master of Engineering
Software Engineering

If you want to lead your field, advance the boundaries of knowledge and develop high-level competence and expertise, the integrated Bachelor of Engineering (Honours) / Master of Engineering degree is for you.

This degree combines our undergraduate engineering program with master's level coursework and a semester-long placement with an industry or research partner. These fields of study are designed to provide specialist knowledge of the various disciplines and place you closer to the leading edge of technology.

Fields of study in Software Engineering

Software

More information
Visit **study.uq.edu.au** or scan the QR code

Digital information is everywhere and has the capacity to revolutionise the way that we live.

Career opportunities in Engineering

Engineering the world's future – today, tomorrow and beyond.

Engineering is a dynamic and broad occupation that spans many industries and sectors. No matter what specialisation you choose to study, you'll be prepared for a global career solving tomorrow's most complex challenges.

Key

Specialisations

Majors

Advanced Manufacturing

Be part of a growing industry including food and beverage, medical products, recycling and clean energy, and space.

Chemical Engineering
Biomedical
Bioprocess Materials

Mechanical Engineering
Biomedical | Materials

Mechatronic Engineering
Computer

Electrical Engineering
Computer | Biomedical

Built Environment

Looking to solve problems? This could be anything from protecting the planet to reimagining urban infrastructure, designing smart sustainable buildings or focusing on people and improving quality of life.

Civil Engineering
Environmental | Geotechnical | Structural
Transport | Water and Marine

Digital Design + Technology

By encouraging your intellectual boldness, honing your technological skills, and bringing out your capacity to lead others, we'll prepare you for a lifetime of success in the digital design and technologies space.

Electrical Engineering
Computer

Mechatronic Engineering
Computer

Software Engineering
Computer

Sustainable Energy

Sustainable energy requires all engineering disciplines. All engineers have a role to play in delivering sustainable energy for the future.

Chemical Engineering
Environmental

Civil Engineering
Environmental | Geotechnical
Structural | Transport
Water and Marine

Electrical Engineering
Computer

Mechanical Engineering
Materials | Mining

Mechatronic Engineering
Computer

Software Engineering
Computer

Starting salary by study area*

Science + Mathematics **$62,000**

Medicine **$79,800**

Nursing **$68,500**

Pharmacy **$52,200**

Engineering **$71,500**

Business + Management **$65,000**

Law + Paralegal Studies **$70,000**

*Undergraduate full-time median salary, Graduate Outcomes Survey 2021–2022

Environment

By the time you graduate, you'll possess a distinct blend of creative and practical abilities to make decisions grounded in sustainability.

Chemical Engineering
Bioprocess | Environmental

Civil Engineering
Environmental | Water and Marine

Health

Join the exciting world of biomedical engineering and develop materials, devices and processes that improve and save people's lives.

Chemical Engineering
Biomedical

Mechanical Engineering
Biomedical

Electrical Engineering
Biomedical

Resources

Through automation and sustainable processes, build the most environmentally friendly and productive resources sector we've ever seen.

Chemical Engineering
Materials | Metallurgical

Mechanical Engineering
Mining

Civil Engineering
Geotechnical | Mining

Mechatronic Engineering
Mining

Space

A dynamic career in space could be anything from designing and manufacturing aircraft, satellites and drones, to developing more efficient and faster rockets.

Electrical Engineering
Computer

Mechatronic Engineering
Computer

Mechanical Engineering
Aerospace | Materials

Software Engineering
Computer

Alternative pathways

Bachelor of Engineering (Honours)

Didn't get a high enough ATAR?

High school	Year 1 at UQ	Year 2 at UQ
	Bachelor of Science	**Bachelor of Engineering (Honours)**
Completed Mathematical Methods, and either Chemistry or Physics in high school, but didn't get the required ATAR?	Take Engineering academic advice in course selection. Achieve a GPA of 4.0 or higher in your first year.	Receive up to one year of credit towards the BE (Hons). Undertake core engineering courses in second year before realigning.

Don't have the prerequisites?

High school	Year 1 at UQ	Year 2 at UQ
	Bachelor of Information Technology	**Bachelor of Engineering (Honours)**
Haven't completed Physics or Chemistry prerequisite courses for the BE(Hons)? Completed Mathematical Methods?	Take Engineering academic advice in course selection. Complete prerequisite courses PHYS1171 or CHEM1090. Achieve a GPA of 4.0 or higher in your first year.	Receive up to one year of credit towards the BE (Hons). Undertake core engineering courses in second year before realigning.
	Bachelor of Design	**Bachelor of Engineering (Honours)**
Haven't completed Mathematical Methods?	Take Engineering academic advice in course selection. Complete prerequisite course MATH1040 – Mathematical Foundations I. Achieve a GPA of 4.0 or higher in your first year.	Receive credit towards the BE (Hons). Undertake core engineering courses in second year before realigning.

Andrew N. Liveris Building

In the heart of UQ's Engineering and Computing Precinct at St Lucia stands the Andrew N. Liveris Building.

At 11 storeys high, the building stands as one of the tallest building on UQ's St Lucia campus, and is the new home for the School of Chemical Engineering. It's a vibrant hub for industry and interdisciplinary collaboration to address global challenges in areas such as energy, water and sustainable manufacturing.

The Andrew N. Liveris Building supports researchers and students to address sustainability challenges facing our world and create positive change for developing populations.

The project has been realised thanks to a historic gift from Mr Andrew Liveris and Mrs Paula Liveris.

Dual degrees
Pursue your interests

Pursue your interests by studying 2 degrees at the same time.

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

A dual degree, also called a double degree, will equip you for this evolving job market. It also provides an opportunity for you to pursue your passions and interests.

Adapt in a changing world

With expertise in different disciplines, you'll have the flexibility and skills to flourish in emerging markets and non-linear careers.

Dual Degrees with the Bachelor of Design

QTAC CODE	DURATION (YEARS)	MINIMUM SELECTION THRESHOLD 2024< ATAR / IBAS	LOWEST ATAR TO RECEIVE AN OFFER 2024>	
			ADJUSTED	UNADJUSTED
Business Management / Design[X]				
709511	4	84.00 / 30.50	84.25	82.25
Engineering (Honours) / Design[X]				
717121	5.5	84.00 / 30.50	84.45	84.15
Information Technology / Design				
733310	4	84.00 / 30.50	n/a	n/a

X Selected dual program was offered for the first time in 2021. An applicant must obtain entry to the program having the highest entry requirement. For 2024 entry, the threshold for the Bachelor of Design was 84.00. Please note that dual programs often require a higher threshold than those for the associated single degrees. Visit study.uq.edu.au for up-to-date information.

Dual Degree with the Bachelor of Computer Science

QTAC CODE	DURATION (YEARS)	MINIMUM SELECTION THRESHOLD 2024< ATAR / IBAS	LOWEST ATAR TO RECEIVE AN OFFER 2024>	
			ADJUSTED	UNADJUSTED
Computer Science / Arts				
733501	4	84.00 / 30.50	84.45	84.45
Computer Science / Business Management				
733701	4	84.00 / 30.50	85.50	83.50
Computer Science / Commerce				
733801	4	84.00 / 30.50	85.00	83.00
Computer Science / Economics				
709105	4	84.00 / 30.50	86.60	84.60
Computer Science / Master of Cyber Security				
733411	4	97.00 / 39.50	97.15	94.25
Computer Science / Master of Data Science				
733421	4	97.00 / 39.50	97.15	93.50
Computer Science / Laws (Honours)				
733901	5	97.50 / 40.00	98.20	95.45
Computer Science / Science				
733601	4	84.00 / 30.50	84.75	84.75
Engineering (Honours) / Computer Science				
717721	5.5	84.00 / 30.50	84.90	80.90
Mathematics / Computer Science				
714421	4	92.00 / 35.25	93.15	88.15

Dual Degrees with the Bachelor of Engineering (Honours)

QTAC CODE	DURATION (YEARS)	MINIMUM SELECTION THRESHOLD 2024< ATAR / IBAS	LOWEST ATAR TO RECEIVE AN OFFER 2024>	
			ADJUSTED	UNADJUSTED
Engineering (Honours) / Arts				
717401	5.5	84.00 / 30.50	86.85	85.55
Engineering (Honours) / Biotechnology				
717501	5	84.00 / 30.50	84.55	82.75
Engineering (Honours) / Business Management				
717301	5.5	84.00 / 30.50	84.00	79.10
Engineering (Honours) / Commerce				
717201	5.5	84.00 / 30.50	84.40	82.40
Engineering (Honours) / Computer Science				
717721	5.5	84.00 / 30.50	84.90	80.90
Engineering (Honours) / Design[x]				
717121	5.5	84.00 / 30.50	84.45	84.15
Engineering (Honours) / Economics				
717601	5.5	84.00 / 30.50	85.70	85.70
Engineering (Honours) / Information Technology				
717701	5.5	84.00 / 30.50	87.15	85.10
Engineering (Honours) / Mathematics				
717901	5	92.00 / 35.25	92.15	88.15
Engineering (Honours) / Science				
717101	5	84.00 / 30.50	84.15	82.35

Dual Degrees with the Bachelor of Information Technology

QTAC CODE	DURATION (YEARS)	MINIMUM SELECTION THRESHOLD 2024< ATAR / IBAS	LOWEST ATAR TO RECEIVE AN OFFER 2024>	
			ADJUSTED	UNADJUSTED
Business Management / Information Technology				
710401	4	84.00 / 30.50	88.00	88.00
Commerce / Information Technology				
711621	4	84.00 / 30.50	84.70	79.70
Engineering (Honours) / Information Technology				
717701	5.5	84.00 / 30.50	87.15	85.10
Information Technology / Arts				
733201	4	84.00 / 30.50	85.20	84.20
Information Technology / Design				
733310	4	84.00 / 30.50	n/a	n/a
Information Technology / Science				
733301	4	84.00 / 30.50	84.55	84.55

< Minimum (adjusted) selection threshold 2024 is the minimum score that was considered for an offer of a place to all applicants.

> Lowest ATAR to receive an offer refers to all recent secondary students who were offered a place in 2024.

Benefits of a dual degree

Strike a balance

Why compromise? Get study/life balance by combining programs that cover career aspirations and topics you're passionate about. Dual degree students appreciate the diversity of topics offered in their 2 different programs.

Twice as ready for the future

With career paths changing now more than ever, a dual degree prepares you with a broad skillset to navigate the careers of the future.

25 engineering, computing and design dual degree combinations are available

UQ Women in Engineering

Engineers are problem solvers, inventors, designers, builders and great thinkers. They create innovative solutions for the challenges facing society to improve the state of the world and make people's lives safer and easier. To do this successfully, we need a new generation of diverse engineering graduates who can provide different elements to the solution. Therefore, the best engineering teams must be as diverse as the society they work in.

"As a Student Leader, I hope to contribute to a shift in at least one young woman's attitude towards her potential in the world of STEM. I hope to remind her that her ideas and perspectives, and power, as a young woman in engineering, will never go unnoticed."

Lillian Coghlan
Bachelor of Engineering (Honours)
(Chemical) graduate

Meet all the WE Student Leaders at **eait.uq.edu.au/ we/student-leaders**

University-led and industry funded, the UQ Women in Engineering (WE) Program was created with an aim to improve gender balance at both tertiary and industry levels. The program is led by a team of staff and current UQ engineering students who inspire future students to consider engineering as a rewarding career, and foster growth and development of students commencing their engineering degrees at UQ.

The UQ Women in Engineering program:

- Educates high school students about engineering. You cannot be what you cannot see, therefore we promote the diverse and exciting career opportunities within engineering through school visits, campus tours and interactive workshops.
- Supports students studying engineering by providing valuable networking opportunities with industry, as well as Lunch and Learn sessions.
- Connects students and graduates with industry leaders for a smooth transition into the workforce.
- Partners with notable industry leaders and collaborates with tertiary institutions, working together to collectively increase participation of women in engineering nationwide.

UQ is the university of choice for women studying engineering in Queensland, with women representing 27 per cent of enrolments into engineering programs in 2023, compared to a national average of 18 per cent*.

WE provides female engineering students with a sense of community and a platform to share new ideas, as well as providing opportunities to build important skills for academic and career success. We support and encourage you to join our events throughout your time at UQ and beyond as we cater for an inclusive and diverse audience.

- **First point of contact**: If you are offered a place to commence engineering at UQ, a WE Student Leader will call you to discuss any questions you might have – from studying engineering to student life on campus.
- **Be welcomed from day one**: WE host a Welcome Morning Tea event during Orientation Week for first-year female engineering students – meet other students in your cohort and get to know our WE Student Leader team.
- **Become a leader**: After first year, take the opportunity to apply to be a WE Student Leader and inspire the next generation through high school outreach activities and events.
- **Industry connections**: Our program is strongly supported by industry and we work with them to provide invaluable opportunities for students. You will have direct access to key employers, allowing you to expand your network and kickstart your career.

*Source: STEM Equity Monitor, Australian Government – Department of Education, Skills and Employment 2023.

From left to right: Yvette (Evie) Gibbon, Bachelor of Engineering (Honours) (Chemical and Environmental), and Elizabeth Pumpa, Bachelor of Engineering (Honours) (Civil and Geotechnical)

More women enrol in undergraduate engineering programs at UQ than any other university in Queensland.

With 27 per cent domestic women commencing undergraduate engineering programs at UQ in 2023*.

Did you know that UQ offers multiple scholarship opportunities? Some specifically for women in engineering!

scholarships.uq.edu.au

Would you like to know more?

we@eait.uq.edu.au
+ 61 7 3443 1654
womenin_engineering
eait.uq.edu.au/we

TRUST ME, I'M AN ENGINEER

Join our webinars and hear from inspiring and diverse engineers and engineering students

But seriously, what is ENGINEERING?

THE UNIVERSITY OF QUEENSLAND AUSTRALIA

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UQ Women in Computing

Reimagining the technology pathway

Computing and technology is the largest growth industry in Australia. At UQ, we believe that this industry should be shaped by the population they serve. We are reshaping technology by increasing diversity and creating innovative solutions to existing and future global challenges.

The UQ Women in Computing (WiC) program is designed to inspire your active participation in the digital future and foster a strong sense of belonging within our on-campus community. Our overarching objective is to assist you in expanding your network, enabling you to reach your career aspirations and unlock your full potential in the world's fastest-growing industry.

Our reimagined pathway for 2030

Increase gender diversity in UQ's computing programs

→

Support and nurture current university students studying computing

→

Generate a pipeline of talent for industry, creating a diverse and inclusive workforce

→

Build long-lasting relationships with high schools and industry

"I hope to show girls that they should not be overwhelmed or hindered by any stereotype around Computer Science and IT, because there is a place for you in this field and you will find it."

Prianka Indla
Bachelor of Computer Science /
Bachelor of Engineering (Honours)
UQ ACM-W Chair / WiC Student Leader

Meet all the WiC Student Leaders at **eait.uq.edu.au/wic/student-leaders**

Get connected

At UQ we have many support groups for women to belong.

You will meet the WiC Student Leaders at career days, workshops, campus tours and panel events to share knowledge, get inspired and create enthusiasm on why technology is a great career choice. Through the WiC program, you will be connected to programs that highlight, support and encourage women in technology, preparing you not just for your first job, but a lifetime of success.

Founded in 2023, the UQ's Student Chapter of the Association of Computing Machinery – Women (**UQ ACM-W**) connects you to other student chapters worldwide to share achievements and see what women in technology are achieving globally. UQ ACM-W is the very first Student Chapter in Australia.

LeadHers is a confidence-building program led by UQ Ventures for women and gender diverse students, staff, and alumni across all disciplines at UQ. Throughout the program, you will have the opportunity to grow your leadership capabilities, build connections and gain the confidence to take your first steps in your entrepreneurial and leadership journey.

UQ Ladies in Technology (**UQLIT**) is a student led community created to bring women spanning across technology-based disciplines together to foster a support system and aims to promote and create and empower female students in the technology field.

Discover all our partner programs at **eait.uq.edu.au/wic/networks**

Support for high schools

WiC promotes professional development seminars and workshops for high school teachers and career advisors. The areas include:

- Foundations of AI
- Fundamentals of binary coding
- Design thinking
- Fundamentals of cybersecurity
- Data science and visualisation
- Insights and knowledge from industry experts in CS and IT.

Visit **eait.uq.edu.au/wic/support-for-high-schools** and discover how to experience UQ at your school.

Did you know that UQ offers multiple scholarship opportunities? Some specifically for women in computing!

scholarships.uq.edu.au

Would you like to know more?

wic@eait.uq.edu.au
+ 61 7 3443 1653
eait.uq.edu.au/wic

Queensland Government

Proudly supported by the Queensland Government – Close the Gap program

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 facilities in which we encourage you to think, explore and create.

Laboratories

Access our state-of-the-art facilities, learning spaces, design studios and laboratories designed to support and enhance your learning experience.

Engineering Learning Centre

The First Year Engineering Learning Centre is a multi-purpose space created to enhance the experience of first-year engineering students. This is your place to call home while on campus and where you can get help and advice about your studies.

Study spaces

With options ranging from formal library spaces to indoor pop-up and alfresco locations, there are plenty of dedicated study spots for you to make the most of your time at UQ. These dedicated spaces have been reserved for the purposes of individual study.


UQ Innovate

UQ Innovate is a newly developed workshop facility where UQ students and staff can meet, collaborate and create in a friendly and supportive environment. You will have access to trade and academically qualified staff and the latest industry-grade equipment, from laser cutters and 3D printers to water jets.

Computer labs

Across the precinct, UQ has dedicated computer labs with 1:1 computer to occupant ratio. These computers have the latest software and programs required for your degree. Students can access labs 24/7 when they're not in use for a class.
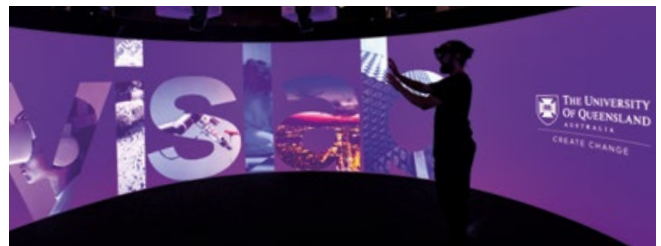
VR learning facility

Transend traditional education boundaries and immerse yourself in our state-of-the-art VR learning facilities. These facilities enable you to explore complex architectural, engineering and urban design problems, through VR and AR technologies.

Andrew N. Liveris Academy for Innovation and Leadership

Building a generation of effective and inspiring leaders with a mindset geared towards creating a sustainable future.

Mission

Current global challenges require sustained, rapid innovation on a broad scale, and the leadership to ensure implementation to effect societal change.

The Andrew N. Liveris Academy for Innovation and Leadership provides the environment and programs to deliver a pipeline of effective and creative leaders for the digital era with the capacity to contribute to a sustainable future.

At the heart of the Liveris Academy is a deep commitment to inclusivity, impact, and courageous leadership.

The Academy will identify promising students with leadership potential and a passion for sustainability, help develop Liveris Scholars to become agile and courageous leaders, and equip them to discover and implement multidisciplinary solutions that address grand challenges in sustainability.

The Academy will offer a unique student experience including prestigious scholarships, structured leadership training, mentoring by visiting leaders, targeted professional practice placements, and a vibrant Liveris Scholar Alumni Network.

Become a Scholar

Scholarship applications are invited from outstanding students with the potential to lead the development solutions to some of the world's most pressing sustainability challenges, with a mindset geared towards creating a sustainable future. For information about the Liveris Scholarships and to submit an application, please visit **scholarships.uq.edu.au**

More information

+61 7 3346 3883 | liverisacademy@uq.edu.au
liveris-academy.uq.edu.au

Apply for a scholarship

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

University-wide scholarships

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

If you're completing Year 12 in 2024, or you completed Year 12 in 2023 and are on a gap year, you may be eligible to apply for a scholarship.

UQ Academic Scholarships Program

The UQ Academic Scholarships scheme offers 2 flagship undergraduate scholarships: UQ Vice-Chancellor's Scholarships and UQ Excellence Scholarships.

Equity scholarships

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

200+ more to choose from

UQ's generous industry partners and private donors contribute to bring you a range of scholarships with varied criteria.

Indigenous scholarships

At UQ, we don't want anything to stand in the way of Indigenous students pursuing university education. The Aboriginal and Torres Strait Islander Education Scholarship scheme offers a range of scholarships to support your studies and help you thrive.

Study area scholarships

Many scholarships are offered for certain academic disciplines. These scholarships might be for students enrolled in a specific degree, school or faculty, or for students who are researching or studying a particular topic.

scholarships.uq.edu.au

Employability

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

employability.uq.edu.au/financial-support

Sporting

Elite athlete support

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

uqsport.com.au/scholarships

Engineering, Computing, Architecture scholarships

Alumni Advantage Scholarship in Electrical Engineering

To support first-year students undertaking the Bachelor of Engineering (Honours) program (including a dual program) in the field of electrical engineering or software engineering from an 'under-represented' cohort – this means that the student will be facing financial disadvantage, and/or is female, and/or is Indigenous.

Award value: $3,000 for one year.

Bert and Vera Thiess Scholarship in Civil Engineering

To encourage and support deserving Engineering students who have experienced financial disadvantage and to honour the memory of the late Bert and Vera Thiess.

Award value: $15,000 for one year.

Calboonya Legacy Information Technology & Computer Science Scholarship

The purpose of the scholarship is to encourage and support commencing students or past scholarship recipients facing financial hardship, by allowing them the opportunity to pursue undergraduate studies in the areas of computer science and information technology at The University of Queensland.

Award value: $4,500 for one year.

Please note: All figures were correct at time of printing but are subject to change. See **scholarships.uq.edu.au** before applying to confirm correct values.

"The impact that scholarships have on students is overwhelmingly positive and I can't be thankful enough for the support I have been offered. The opportunities they have provided me have completely transformed my university experience and enriched it with invaluable academic and cultural experiences. Knowing that someone else believes in my potential and has invested In my future has strengthened my dedication to my studies. I hope that one day I too will be in a position where I can support students to pursue their dreams."

Anastasia Laczko

Bachelor of Engineering (Honours) (Mechatronic) /
Bachelor of Information Technology (Software Design) graduate
UQ Scholarship recipient

Codebots Scholarship

To encourage and assist Australian Aboriginal and/or Torres Strait Islander and/or female students to undertake studies in computer science, information technology and software engineering.

Award value: $5,000 for one year.

Dr Mike Sargent Scholarship

To encourage and support engineering students at The University of Queensland with a demonstrated interest in entrepreneurship and/or innovation.

Award value: $5,000 for one year.

Engineering Futures

To support engineering students who are experiencing financial hardship.

Award value: Up to $30,000 for one year.

Hatch Merit Scholarship

To provide financial support to meritorious third year students studying engineering.

Award value: $12,000 for one year.

HUB24 Regional QLD Technology Scholarship

To encourage and support first- or second-year students from a regional area who may have experienced financial disadvantage to pursue studies in Information and Communications Technology (ICT).

Award value: $8,000 for one year.

Kathy Hirschfeld AM Scholarship Endowment for Women in Engineering

To encourage and support first-year female students to undertake studies in engineering at The University of Queensland who are currently experiencing financial barriers.

Award value: $4,500 for one year.

Liveris Academy Undergraduate Scholarship

The Liveris Undergraduate Scholarship was established in 2019 by global business leader Andrew Liveris and his wife Paula Liveris, who generously donated $13.5 million to The University of Queensland to help establish the Andrew N. Liveris Academy for Innovation and Leadership in the University's Faculty of Engineering, Architecture and Information Technology.

The Liveris Academy aspires to build a generation of effective and inspiring leaders with a mindset geared towards creating a sustainable future. The Liveris Undergraduate Scholarship is maintained by the income generated from an endowed fund.

The purpose of the scholarship is to encourage and support outstanding students in the Bachelor of Computer Science, the Bachelor of Engineering (Honours), Bachelor of Engineering (Honours) / Master of Engineering, the Bachelor of Information Technology, the Bachelor of Science, the Bachelor of Advanced Science (Honours), the Bachelor of Mathematics or a dual program including one of these programs at The University of Queensland, who have the potential to lead solutions to some of the world's most pressing sustainability challenges.

Award value: $10,000 per year for up to 6 years.

Newcrest Mining Engineering Scholarship

To encourage and support meritorious commencing students studying engineering at The University of Queensland.

Award value: $10,000 for one year.

Sir William Tyree Engineering Scholarship

To encourage and support first-year students from rural or regional areas in Queensland, who intend to specialise in electrical engineering and who are experiencing financial hardship.

Award value: $15,000 for up to four years.

Warwick Solar Farm – Bright Futures Scholarship

The Warwick Solar Farm – Bright Futures Scholarship was established in 2020 and is maintained by an annual gift from Properties and Facilities Division – Energy and Sustainability, The University of Queensland.

The purpose of the scholarship is to encourage and support commencing first year students studying a Bachelor of Engineering (Honours), Bachelor of Information Technology, Bachelor of Architectural Design or Bachelor of Computer Science, who are from the Local Government District of the Southern Downs Regional Council and who may have experienced financial disadvantage to pursue studies at The University of Queensland.

Award value: $5,000 for one year.

Women in Computing Honours Scholarship

To encourage and support women to study computing, computer science or information technology at UQ.

Award value: $10,000 for one year.

Many other scholarships are also available for students in second and later years that provide fee relief or financial assistance.

scholarships.uq.edu.au

Employability

It's important to build your employability while at university.

Our dedicated Employability Team encourage you from day one to participate in activities that will enhance your employability. So, when you graduate, you'll be equipped for lifelong success in any path you choose.

Today, more than ever, employers are looking for well-rounded graduates who, in addition to the knowledge learnt in their degree, hold a diverse set of leadership, teamwork, communication and conflict management capabilities gained through experiences at university.

How will you stand out to future employers when you graduate?

We are here to help

The Employability Team provides information and opportunities to prepare, connect and enable you to gain the tools to set you up for success as a UQ graduate.

Employability is more than just getting a job; it's the ability to perform effectively throughout your career and to articulate your unique value to future employers.

By collaborating with industry, we expose you to many different types of roles and industry environments to expand your understanding of where your career could take you.

We have created online modules to guide you through the recruitment process from cover letter preparation, interview support, to how you should showcase yourself to future employers on LinkedIn.

We also have an AI powered online tool that provide instant and personalised feedback on your resume. Meaning you can receive instant feedback, regardless of the day or time.

Get career ready

It's never too early to start thinking about your employability. The EAIT Student Employability Team has advice and resources to help get you through the recruitment process and prepare for your career.

We expand your networks

We connect you with industry through:

- networking events with industry for you to meet potential employers
- student and graduate stories, and industry-led panel events
- employer-led information presentations
- industry tours
- work-integrated learning opportunities
- industry-led workshops
- sharing the advertisements of employment opportunities
- Kickstart your Career Bootcamp, a one day conference dedicated to enhancing your employability. Every session is run by industry, so you can hear first hand what skills recruiters are looking for in future graduates.

We're with you every step of the way

- Our office is open 5 days a week and our services are available to all students in our Faculty.
- Attend mock interviews and job application support to practice prior to the real recruitment process.
- Learn how to communicate your employability attributes to employers.
- Discover tips to successfully transition into the workforce.
- No 2 journeys are the same. We provide one-on-one employability consultations to go through your individual employability and provide tailored advice.

The Employability Team supports students to secure placements and work integrated learning opportunities through:

- one-on-one consultations to discuss topics related to your résumé, cover letter, job applications, job search strategies and how to submit a placement
- delivering hands-on employability workshops so you can put your best foot forward to secure a placement
- arranging employer on-campus events where you can hear from industry on employability and recruitment-related topics
- advertising placement opportunities.

Our services are free for students, complement your studies, and are designed to help you build your network and the confidence to articulate your value to future employers.

Contact us

+61 7 3365 8534
employability@eait.uq.edu.au

eait.uq.edu.au/employability

Visit us on Level 3,
Hawken Engineering Building (50)

Career ready

As a locally and globally connected university, UQ provides many opportunities for students to apply knowledge gained in the classroom to real life.

You will have access to work-integrated learning, entrepreneurial courses, local and global internships and volunteer positions to boost your confidence, capabilities and résumé.

A wide range of free programs is available to complement your studies, and to help you build a network, take on new challenges and bring your ideas to life.

Connect with your career possibilities

From first to final year, you can plan for your successful transition from student to professional.

Employability

Life at UQ reaches far beyond the lecture theatre, and the careers and employability staff across UQ will help you make the most of your time at university. Our approach to employability goes beyond simply getting a job. We focus on how you can use your capabilities to perform effectively in the workplace, to create work opportunities, and to make an impact through your work.

employability.uq.edu.au

Mentoring

UQ offers a number of mentoring programs that provide valuable leadership and guidance through all stages of your time at UQ and beyond. From supporting you with the transition to university life to fostering positive cultural, social and professional connections, programs vary from one-on-one, small group to peer community – so you can find what works for you. The Faculty has a dedicated Industry Mentor Program for third and fourth year students to connect with experienced alumni and industry professionals.

my.uq.edu.au/mentoring

Volunteering

Build your skills and extend your professional and personal network while contributing to a worthy cause. UQ can help you find volunteer opportunities at UQ and link you with external organisations both within Australia and worldwide.

employability.uq.edu.au/volunteering

Workplace learning

Internships, placements and networking will be part of your study experience at UQ through work-integrated learning. Grow your entrepreneurial mindset and professional network before you graduate.

Extra curricular opportunities

With UQ's range of entrepreneurship programs, students can access local and global internships and work experience.

Through Ventures, you can build an entrepreneurial mindset, solve industry challenges and pursue business or social impact opportunities.

The ilab Accelerator also supports students, researchers and alumni through the early stage of business development by providing seed funding and mentoring so they can scale their business or social enterprise.

Are you an international student?

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

You are an international student if you are:

- not a citizen of Australia or New Zealand, or
- not an Australian permanent resident, or
- a temporary resident (visa status) of Australia.

Eligibility for UQ study

For admission into undergraduate programs at UQ, you must have:

- completed secondary studies equivalent to Queensland Year 12 with a score comparable to the ATAR specified for your program
- satisfied individual program requirements (e.g. specific subject prerequisites, auditions or interviews)
- satisfied UQ's English language proficiency requirements.

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

Pathway options

study.uq.edu.au/admissions/undergraduate/consider-your-pathway-options

Applying to UQ

A UQ degree is a qualification the world will recognise. If you've got the ability, commitment and ambition to make the most of UQ, then we want to hear from you.

study.uq.edu.au/admissions

Study options at UQ

If you would like to know more about your study options at UQ, enquire through our online form and a UQ adviser will respond. You can also register to speak to a student adviser.

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

Contact us

study.uq.edu.au/contact

Program guides

uq.edu.au/study-guides

Fees

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

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

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

Other expenses

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

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

UQ has more than 20,000 international students from 134 countries

"I ultimately chose UQ due to its location in Brisbane and its superior reputation. I also knew that UQ had partnerships with industry–leading Australian companies and international organisations. This combined with the unique opportunity to major in Machine Learning at an undergraduate level convinced me to enrol at UQ."

Mallika Mukherji
Bachelor of Computer Science student

Global experiences

Going on an international exchange is a life-changing experience. You could be jetting off to Copenhagen, Boston, Seoul, Osaka, Santiago – in fact, we have more than 130 partner institutes in 30+ countries.

Global experiences help you develop independence, maturity and other important life skills that enhance your employability and enrich your global mindset.

Scholarships, bursaries and grants available

GROUP OF EIGHT AUSTRALIA   **U21 UNIVERSITAS 21**

UQ is a member of the prestigious Group of Eight coalition in Australia and the leading global network of research universities, Universitas 21.

Semester-based exchange

Spend a semester living and learning in another country. Living abroad is the adventure of a lifetime. You could learn a new language, live like a local, and create friendships that will last forever. Your studies will count towards your degree just as if you undertook them at UQ.

Short-term experiences

If a full semester or year of exchange is not for you, you might prefer a short-term experience. You can study a course for 2–6 weeks overseas during the winter or summer break, and you may be able to get credit for it too.

Learn a language alongside your degree

In a global economy, the ability to communicate with a wide range of people is invaluable. Undergraduate students can study a Diploma in Languages alongside any UQ program.

UQ offers Queensland's most comprehensive selection of languages, and you can choose to study up to 2 languages: Ancient Greek, Chinese, French, German, Indonesian, Japanese, Korean, Latin, Russian, Spanish, or Chinese Translation and Interpreting.

Adding language studies to your undergraduate degree opens up a world of new and exciting opportunities and may be one on the best moves for your future career.

International internships

Imagine jetting off to Tokyo, Buenos Aires, or London for an international internship. That means a real workplace, with a real role, working on real projects in other countries. Learn on the job while you enjoy exploring new neighbourhoods, discovering local delights and making lifelong friends. Some internships are offered virtually.

Worldwide networks

UQ has more than 311,000 graduates living in 187 countries. Our alumni are passionate about giving back and investing in our future leaders. You can tap into this powerful network of expert support through mentoring, social experiences and professional development opportunities.

Global Startup AdVentures

Learn alongside a startup in some of the world's most vibrant startup hot spots including San Francisco, Shanghai, Shenzhen, and Singapore.

ⓘ Visit **study.uq.edu.au/enhance-your-employability** to discover how you can take your studies globetrotting

Applying to UQ

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

01
Choose

→

Choose your program
→ Read your program options (see pages 2–46)
→ Visit **study.uq.edu.au**

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

If you don't meet a program's entry requirements, several pathway options are available.

study.uq.edu.au/pathway-options

02
Apply

→

Apply via QTAC
→ Apply for admission through the Queensland Tertiary Admissions Centre (QTAC). The QTAC website explains how to apply and the entry requirements you need
→ Visit **qtac.edu.au**

03
Accept

→

Accept your offer
→ Log in to the QTAC website
→ Accept your offer
→ Activate your UQ student account
→ Go to **my.uq.edu.au/starting-at-uq** and follow the instructions
→ Get excited about starting at UQ!

04
Enrol

→

Enrol in courses
→ Access your program rules and course list at **my.uq.edu.au/starting-at-uq**
→ Choose your courses at **my.uq.edu.au/programs-courses**
→ Enrol online at **sinet.uq.edu.au**
→ Select preferred class times via My Timetable (in my.UQ portal)
→ Pay fees (see page 63).

05
Prepare

→

Prepare for Week 1
→ Complete the steps at **my.uq.edu.au/starting-at-uq**
→ Attend a Getting Started session
→ Check if you need to attend any program sessions before Orientation Week
→ Pick up your student ID card
→ Get answers to your questions by emailing **starting@uq.edu.au**

06
Let's go! 🎉

→

Get ready for the ultimate university experience
→ Orientation Week – get your first taste of #uqlife with fun-filled events
→ Connect Week – join the social scene, make new friends and link in with your academic circle
→ Instagram (@Uniofqld) or TikTok (@Uniofqld) your UQ experience to your friends.

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

Plan your finances

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

Fees and costs

Course fees and student contributions

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

usi.gov.au

Fees for students in a Commonwealth supported place are determined by the courses you choose, not the program you're enrolled in, so there is no fixed fee for a program. Because most students can choose different electives during their program, costs will vary.

However, indicative annual fees are listed with each program on our Study website at study.uq.edu.au.

If you're an Australian or New Zealand citizen, or an Australian permanent humanitarian visa holder and have a Commonwealth-supported place, you may also qualify for the Higher Education Loan Program (HELP) to defer payment of your student contribution and Student Services and Amenities Fee (SSAF). You will need a tax file number to obtain a HELP loan.

ato.gov.au

Some domestic students will pay full tuition fees. Refer to study.uq.edu.au/fee-overview for more information. International students pay full tuition fees.

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

Student Services and Amenities Fee

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

UQ levies the SSAF – which was capped at a maximum of $351 for 2024 – according to whether you're an internal or external student. The fee is indexed annually.

study.uq.edu.au/ssaf

Commonwealth-supported fee bands

BAND	AREA OF STUDY	ANNUAL STUDENT CONTRIBUTION*
4	Law, accounting, administration, economics, commerce, communications, society and culture	$16,323
3	Dentistry, medicine, veterinary science	$12,720
2	Other health, allied health, built environment, computing, engineering, surveying, science, environmental studies, pathology, visual and performing arts, professional pathway psychology, professional pathway social work	$8,948
1	Agriculture, English, mathematics, education, clinical psychology, Indigenous and foreign languages, nursing, statistics	$4,445

*2024 figures only, based on a full-time (16 units) workload; figures indexed annually

Monthly cost of living

	STUDENT LIVING IN ON-CAMPUS COLLEGE	STUDENT LIVING OFF-CAMPUS / STUDENT ACCOMMODATION *	FAMILY (TWO ADULTS, ONE CHILD) LIVING OFF-CAMPUS***
Rent	$2,050–$3,000*	$840–$2,480	$2,640–$3,000
Utilities Gas, electricity, water	Included in rent	$170–$215**	$200–$415
Food	Included in rent^	$560–$1,120	$1,300–$1,600
Mobile phone / internet	$45–$125	$45–$125	$90–$320
Public transport	$90–$120	$90–$120	$270–$360
TOTAL	$2,185–$3,245	$1,705–$4,060	$4,500–$5,695

* On-campus and off-campus accommodation costs are usually lower in Gatton. The cost for a standard resident room in the Halls of Residence in Gatton is from $378 per week.

** Many student accommodation providers include electricity, gas and internet costs in rent. Check with your provider to be sure.

*** These costs assume that the dependent child is not of school age and does not factor in childcare costs.

^ Catered meals are included at UQ Residential Colleges. UQ RES (Kev Carmody House and Walcott Street) does not include catered meals.

This table should be taken as a guide only. Study Australia provides a helpful online cost of living calculator to estimate your weekly, monthly, and yearly living costs in greater detail.

Keeping your costs down

- Investigate the financial support and fee payment options offered by Centrelink. servicesaustralia.gov.au
- Explore the scholarships on offer (see page 37).
- Enjoy UQ Union's free and low-cost entertainment and activities, such as Morning Marmalade and Kampus Kitchen. uqu.com.au
- Get concessions and student discounts at participating retailers and institutions with your UQ student card.

Fees

Fees for 2025 are expected to be available from November 2024.

Before you enrol, faculty academic advisers can help you develop a study plan.

my.uq.edu.au/fee-schedules

Budgeting

Don't forget to budget for accommodation, books, study materials and transport.

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

costofliving.studyaustralia.gov.au

Program table explained

QTAC CODE	UQ CODE	MINIMUM SELECTION THRESHOLD 2024 ATAR / IBAS	LOWEST ATAR TO RECEIVE AN OFFER 2024		DURATION	START SEMESTER	CAMPUS	HONOURS	DUAL PROGRAM AVAILABLE	ADMISSION REQUIREMENTS
			ADJUSTED	UNADJUSTED						

QTAC Code
A unique code number assigned by Queensland Tertiary Admissions Centre (QTAC) to each individual undergraduate university program. You will need to use this number on your QTAC application.

UQ Code
A unique identifying number assigned by UQ for each academic program.

Minimum selection threshold 2024

ATAR / IBAS
The minimum (adjusted) selection threshold is the minimum score that was considered for an offer of a place to all applicants.

IBAS
International Baccalaureate Admission Score.

ATAR
The Australian Tertiary Admission Rank (ATAR) is the standard measure of overall school achievement used in all Australian states and territories. It is a rank indicating a student's position overall relative to other students. The ATAR is expressed on a 2,000-point scale from 99.95 (highest) down to 30.00, in increments of 0.05. The ATAR replaced the Overall Position (OP) as the standard pathway to tertiary study for Queensland Year 12s in 2021.

Adjusted
The lowest ATAR to which an offer was made to recent school leavers including any adjustment factors that may have been applied.

Unadjusted
The lowest 'raw' ATAR to which an offer was made to recent school leavers, excluding any adjustment factors.

Duration
The time it takes to complete a program when it is studied full-time.

Full-time
The standard study load is 8 units per semester. Full-time study is 75 per cent or more of the standard study load (i.e. 6 units per semester for most programs).

Part-time
Part-time study load is less than 75 per cent of the standard study load (i.e. fewer than 6 units per semester for most programs).

Start semester
The academic year at UQ is divided into 2 main semesters. Semester 1 starts at the end of February and Semester 2 starts at the end of July.

Campus
One of 4 UQ teaching sites where the majority of lectures are held.

Honours
At UQ, honours may be awarded as a one-year bachelor's honours degree after you have completed a bachelor's degree, or as a single bachelor's honours degree typically taking 4 years of study. Some undergraduate programs allow eligible students to transfer to a bachelor's honours degree at a defined point in the bachelor's degree. This box shows whether honours is available with a program.

Dual program
Two UQ degree programs undertaken at the same time (sometimes known as dual / parallel / combined / double degree). This box lists dual programs you can choose to study with a program.

Admission requirements
Some programs require you to have completed specific subjects (or their equivalent) at school. Some also have additional requirements.

Study options

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

Arts, Humanities, Social Sciences and Education

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

Business, Economics and Law

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

Engineering, Design, Computing, Architecture and Planning

Architectural Design
Computer Science
Design
Engineering (Honours)
Information Technology
Regional and Town Planning

Health, Behavioural Sciences and Medicine

Biomedical Science
Clinical Exercise Physiology (Honours)
Dental Science (Honours)
Exercise and Sport Sciences (Honours)
Health Sciences
Health, Sport and Physical Education (Honours)
Human Movement and Nutrition Sciences
Medicine
Midwifery
Nursing
Occupational Therapy (Honours)
Pharmacy (Honours)
Physiotherapy (Honours)
Psychological Science (Honours)
Social Work (Honours)
Speech Pathology (Honours)

Science, Mathematics, Agriculture and Environment

Advanced Science (Honours)
Agribusiness
Agricultural Science
Biotechnology
Environmental Management (Honours)
Environmental Science
Mathematics
Science
Veterinary Science (Honours)
Veterinary Technology
Wildlife Science
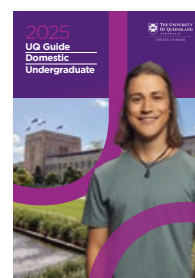
Central guides

Domestic Undergraduate

International Undergraduate and Postgraduate (international students can visit **uq.edu.au/study-guides** to access the latest international student guides)

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Questions?

Programs

Faculty of Engineering, Architecture and Information Technology

07 3365 4777 | enquiries@eait.uq.edu.au
eait.uq.edu.au

Living and studying at UQ

Future Students Contact Centre

07 3346 9872
study.uq.edu.au/enquiry

Entry requirements and admission to UQ

UQ Admissions

07 3365 2203 | admissions@uq.edu.au
study.uq.edu.au/admissions

Key dates

Tertiary Studies Expo (TSXPO)
RNA Showgrounds
Saturday and Sunday 13–14 July 2024

UQ Open Day 2024
St Lucia campus Sunday 4 August 2024
Gatton campus Sunday 18 August 2024

Semester 1, 2025
Classes commence
Monday 17 February 2025

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