ENGINEERING
DESIGN
COMPUTING
ARCHITECTURE
URBAN PLANNING

The University Of Queensland
AUSTRALIA

CREATE CHANGE

Undergraduate Programs

Architectural Design
Computer Science
Design
Engineering (Honours)
Information Technology
Urban Planning

In this guide

UQ acknowledges the Traditional Owners and their custodianship of the lands on which UQ is situated.
— **Reconciliation at UQ**

Front Cover
Shaariq Jalden
Bachelor of Engineering (Honours) / Master of Engineering

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, with a degree accredited by Engineers Australia, you will have gained the critical skills and knowledge to develop practical solutions that shape and improve the world we live in.

Computer Science

The Bachelor of Computer Science prepares you to lead in a world transformed by rapid advances in digital technology, from artificial intelligence and vast computing power to the Internet of Things, big data, and automation.

Designed in consultation with industry leaders through an Industry Advisory Board, this program ensures you graduate with the most relevant, up-to-date skills.

You'll gain the knowledge and practical experience needed to design, develop, and analyse complex computer-based systems, preparing you to shape the digital future and excel in tomorrow's tech-driven workforce.

Information Technology

The Bachelor of Information Technology provides you with technical and design skills to create practical, human-centred digital solutions.

You'll learn to work with people, data, and code to develop software and IT systems that make a difference. A key part of the program is the project-based studio stream, where you'll apply your knowledge to design and build innovative technologies in a collaborative environment. Working in teams, you'll gain valuable problem-solving and teamwork experience, helping you graduate with the skills that employers like Google, Amazon, and Microsoft look for.

Architecture

Build your own career and create positive change with UQ's Bachelor of Architectural Design. Informed by latest knowledge and practice, you'll tackle complex local and global challenges, engage with emerging disciplines and develop the path to a sustainable future. You'll benefit directly from our industry-leading research, with focus on climate resilience, affordable housing and community engagement. Our Architectural Design undergraduate degree begins with the studio-focused foundations needed to build your career. The degree culminates in a pinnacle studio with students leading their own project, producing an industry-ready portfolio. By completing UQ's Bachelor of Architectural Design, you'll be ready to make a meaningful impact on the built environment and progress toward becoming a professional architect.

Design

UQ's Bachelor of Design is a forward-thinking, hands-on degree that equips students to tackle 21st-century challenges with creativity and impact. Combining design thinking with emerging practices, the program prepares students to create meaningful change across industries and communities.

Through collaborative, project-based learning, students build critical thinking, empathy, and adaptability, designing everything from products and services to systems and digital experiences. With access to cutting-edge facilities like UQ Innovate and opportunities such as Ventures, graduates are ready to lead in a dynamic global landscape – where creativity meets purpose.

Urban Planning

The Bachelor of Urban Planning empowers students to shape future cities with a focus on climate resilience, social equity, and urban innovation. Blending hands-on learning with interdisciplinary study, students gain the skills to influence planning decisions through data, fieldwork, and real-life projects.

The program emphasises inclusive, culturally responsive practice by centering First Nations' knowledges and engaging with communities, industry, and government. Students explore challenges like housing affordability and climate adaptation while building practical skills in communication and negotiation.

Accredited by the Planning Institute of Australia, the degree connects students with global experts and equips them to lead ethical, impactful urban change.

"The best part of studying engineering is the diverse range of concepts it covers, from programming to electrical and mechanical work. While challenging, it is both stimulating and rewarding, offering valuable skills that pay off in the long run. The program also provides plenty of practical opportunities to apply what I've learned to real-life situations."

Shaariq Jaldin
Bachelor of Engineering (Honours) (Mechatronic) / Master of Engineering student

Architecture

An architectural education from UQ will equip you with the skills, knowledge and experience needed to shape innovative and climate-resilient design solutions for buildings, communities and environments.

You'll gain hands-on experience with cutting-edge technologies and innovative processes – like the Visualisation Lab, which brings data to life through digital modelling – helping you build a strong foundation for your architectural career.

Choose from 1 of 3 majors

- Design Thinking
- Sustainable Buildings
- Urban Systems

Collaborative culture

Sustainability focus – Sustainable and resilient buildings

Your journey as an architectural design student

Year 1	Year 2	Year 3	Year 4	Year 5
Foundation Year **Choose your Major at the end of Year 1**	**Commence courses related to your major** **Develop design skills for local and global context**	**Hone your design skills through practice**	**Master of Architecture**	

Start your Architectural Design studies

Learn the fundamentals of creative design

Choose from one of 3 majors

Join student societies such as BRUCE and SONA and connect with students from across the School

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

Gain hands-on experience through industry placement

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

#1 in Queensland for Architecture / Built Environment

QS World University Rankings by Subject 2025

Clubs for everyone

With over 220 clubs and societies, there's something for every passion – from dancing to social justice and everything in between.

Bachelor of

Architectural Design

This future-focused program is your first step towards becoming an architect. You'll work in design studios with leading teachers from Australia and around the world, using drawings, models, prototypes, and design software to develop and communicate your design ideas.

QTAC code	UQ code	Minimum Selection Threshold 2025< ATAR / IBAS	Lowest ATAR to receive an offer 2025> Adjusted	Unadjusted	Duration	Start sem	Campus	Admission requirements
711202	2293	84.00 / 32.00	84.00	83.20	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 60.

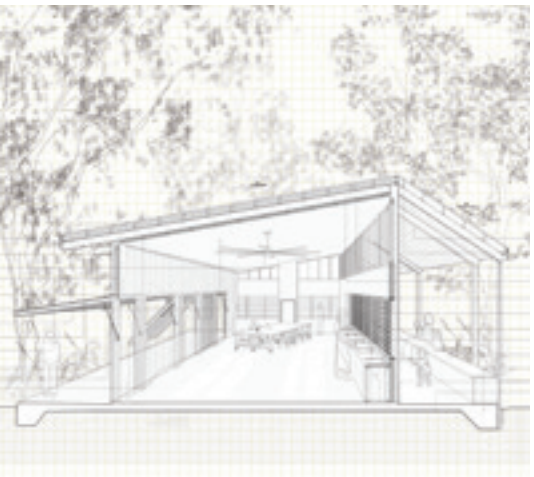
< Minimum (adjusted) selection threshold 2025 is the minimum score that was considered for an offer of a place to all applicants.

> Lowest ATAR to receive an offer refers to all recent secondary students who were offered a place for Semester 1, 2025. 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

UQ's Bachelor of Architectural Design will equip you with the fundamental skills, technical knowledge and practical experience needed to solve diverse and complex problems, create healthier and more sustainable communities, and build resilience against the evolving challenges of the climate crisis.

In this program, you won't just learn – you'll create, explore, and innovate. You'll dive into design principles, sustainability, and emerging technologies, gaining the tools to shape the built environment of tomorrow. Our design studios are where theory meets practice – immersive, hands-on spaces that connect you directly with the pulse of leading contemporary architecture.



Final year work by Bachelor of Architectural Design student Lauren Stegman

These studios are not only intellectually stimulating – they're genuinely exciting, collaborative, and fun. It's where your ideas come to life. 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. This degree is the first step to becoming a professional, registered architect in Australia.

Integrated sustainability and technology

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

Practical experience

The design courses are the core of the Bachelor of Architectural Design, where you'll apply theory, creativity, and hands-on practice to real-life challenges. With industry experience built into your coursework, you'll graduate not only with a degree – but with the confidence and practical skills gained from working on real projects – ready to thrive in your career.

Outcomes

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
- understand the unique depth and value of Indigenous knowledge
- articulate a coherent set of architectural design values.

Course highlights

- Choose from 3 majors
- Learn from leading architects
- Access the latest design technologies
- Benefit from small design classes
- Hands-on project-based learning
- Impact communities through international study tours
- Industry networking and mentorship opportunities
- Progress into the Master of Architecture.

More information

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

CRICOS CODE 061825J

Majors you can specialise in

Design Thinking

Design capabilities are increasingly sought after across a wide range of industries, from product and service development to digital sectors and leadership roles in businesses and organisations. The Design Thinking major offers a unique interdisciplinary approach, equipping you with the creative mindset and problem-solving skills to tackle complex challenges in innovative ways. Through hands-on, project-based learning, you will build a strong foundation in design processes and methods – gaining the ability to address diverse stakeholder needs, improve systems, and spark innovation across professional fields. Be immersed in a dynamic studio culture, working on collaborative, industry-connected projects that foster creativity, critical thinking, and leadership.

With access to cutting-edge resources like the Innovate Lab and UQ Ventures, you'll have the opportunity to transform your ideas into impactful design solutions. This major unlocks career potential, equipping you with the skills and mindset to drive meaningful change in your chosen field.

Sustainable Buildings

The major in Sustainable Buildings explores broad sustainability concepts, integrating environmental, social, and cultural considerations in architectural design. You will learn to design buildings that minimise environmental impact, foster social equity, and respect cultural contexts supported by emerging technologies. The program emphasises designing scenarios that promote community well-being, circular economy, efficiency in construction and contribute to a sustainable, resilient future, ensuring architecture benefits both people and the planet.

Urban Systems

The Urban Systems major will give you the knowledge and skills to understand the complex and dynamic nature of cities. It fosters a deeper understanding of the relationships between the environment, urban spaces, and communities. This major challenges you to think critically about sustainable solutions to contemporary urban challenges such as climate change, social justice, and economic and digital transformation. Engage in hands-on learning and case studies to develop practical expertise in spatial analysis, urban policy, and community engagement. Its interdisciplinary foundation empowers you from diverse disciplines to contribute to shaping the cities of tomorrow and drive meaningful, long-term impacts on communities at local and global scales.

How will you learn?

At UQ, it's all about practical and creative learning through design studios.

Our teaching model is founded on hands-on learning at multiple scales, leading to more complex materials and forms. You'll learn practical skills to communicate and refine your ideas through drawings, models, prototypes and structures. You'll also gain hands-on experience with industry-standard software to develop digital design, technical drawings, and visualisations to bring your ideas to life.

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 our global architecture industry, design studios reflect the processes and culture of architectural firms.

Studios are based on current real-life projects and problems, which you will thoroughly interrogate. Design studio classes offer a great opportunity to ask questions and seek feedback from tutors, lecturers and peers.

At the end of each semester you will present your design concept in front of your peers and experts.

In the studio, you'll learn to create innovative spaces by testing ideas in three dimensions. You'll work with materials like paper, card, clay, and foam, gaining the confidence to experiment and refine your architectural form. You'll also have access to laser cutters, 3D printers, and well-equipped workshop facilities to build prototypes and even small structures.

Design studio time will be a major part of your campus experience – up to 50% of your contact hours – making it the heart of your creative and professional development.

Connect with industry

Learn from and make meaningful connections with expert practitioners. Industry connections are embedded throughout your degree: you'll engage with professionals who share their projects, networks and specialised knowledge with you through fieldtrips, studios, intensive courses, placements and guest lectures.

A number of our lecturers and tutors maintain private practice alongside teaching, allowing you to gain valuable insight into the way real-life problems are met with timely architectural solutions.

International travel studios

Travel is an essential part of an architectural education. Unfamiliar places inspire creative ideas. 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 recent years, our students have enjoyed study tours to Hong Kong, USA, Japan, India, Myanmar, Malaysia, Sri Lanka, Vietnam, Indonesia and South Korea.

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.

Where can your degree take you?

The Bachelor of Architectural Design will prepare you for your first job and beyond, or set the foundations for further study if you decide to continue with a Master of Architecture to become a registered architect.

Career opportunities

- Architectural designer
- Building designer
- Landscape designer
- Building performance assessor
- Climatic design consultant
- Heritage consultant
- Interior designer
- Design-oriented publishing and media
- Production designer in theatre, film and television.

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. Accredited by the Architects Accreditation Council of Australia, you will gain 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.

What is "studio culture"?

- Establishing a vibrant "studio culture" and facilitating active involvement in design studios is a focus of the UQ School of Architecture, Design and Planning. We encourage a studio culture where you work iteratively and collaboratively – to learn from interaction with your peers and teaching staff in both contact and non-contact hours.
- Participating in studio culture allows you to learn the necessary rhythms and processes of design, through a repetitive cycle of thinking, doing and reflecting. You will be actively guided and trained on how to work in design studios, gaining essential skills that will carry forward through the remainder of your studies and into your professional career as an architect or designer.
- All students will have the opportunity to work in hand-drawn and digital media for work-in-progress and final drawings, as well as multiple physical models at varied scales and stages, as foundations to developing design thinking.
- Studio culture at UQ provides students with key foundational knowledge and modes of operating in a design environment. It's also a lot of fun!

How do I become an architect?

There are 2 typical pathways, both require a minimum of 7 years.

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
Option 1						
Bachelor of Architectural Design			**Work in practice**	**Master of Architecture**		**Work in practice**
Option 2						
Bachelor of Architectural Design			**Master of Architecture**		**Work in practice**	

Career paths in architecture

Graduate employee	Mid-level employee	Senior employee	Part owner / director
	Registration	**Or** **Own small practice** Sole practitioner or partnership	**Own larger practice** Company

The Design Pit (Design Lab led by Professor Cara Wrigley) partnered with The Alfred Hospital to develop a groundbreaking design for managing Mechanical Circulatory Support (MCS) devices in emergency departments.

Design

Are you a creative problem-solver? A career in design could be for you. Designers are professional problem-solvers who work on systems, processes, services, digital interfaces, products, communications and other kinds of innovative design solutions.

The role of the designer is to understand the needs of users and stakeholders and to propose innovative solutions that create positive change. Through UQ's Bachelor of Design, you will gain the skills, knowledge and practical experience needed to confidently identify problems, question assumptions and design creative solutions that push boundaries. Choose one major in your area of interest to shape your career.

Career possibilities

Our programs prepare you for your first job and beyond. Depending on which major you choose, here are some of the careers you could be on your way to:

- Strategic designer
- Sustainable design strategist
- Service designer
- Design researcher
- Social innovator
- UX/UI designer
- Design consultant
- Product designer

Discover how you can design creative solutions for a better world

Getting you employed is our top priority

UQ is the best in Queensland for graduate employability

QS Graduate Employability Rankings 2022

Your career, supported

Our Student Employability team is here to help you land that dream graduate role, guiding you every step of the way.

Your journey as a design student

Year 1	Year 2	Year 3
Design Foundation (undertake design process, methods, and technical courses)	**Apply your Design Foundation skills through practice in Design Studio courses.**	
Choose your Major	**Major courses and electives are woven throughout the degree**	
Build a strong understanding of design processes and methods, alongside technical courses in visual communication and design fabrication.	Deepen your learning through studio courses that apply skills across areas like user-centred design, business, the circular economy, social innovation, and complex systems. Throughout the program, you'll benefit from strong industry connections, learning from expert practitioners, working on briefs, completing a final-year professional practice course, and showcasing your portfolio in a collaborative, student-led exhibition.	**Capstone project course** **Graduate from the Bachelor of Design**

Bachelor of
Design

UQ's Bachelor of Design is a dynamic, forward-thinking program that empowers students to become innovative problem-solvers, equipped to navigate the complex challenges of the 21st century. By integrating design thinking with emerging areas of practice, this interdisciplinary program prepares students to create meaningful change across diverse industries, communities, and environments.

QTAC code	UQ code	Minimum Selection Threshold 2025< ATAR / IBAS	Lowest ATAR to receive an offer 2025> Adjusted	Unadjusted	Duration	Start sem	Campus	Dual program available	Admission Requirements
711203	2454	84.00 / 32.00	84.80	83.25	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)

See 'Program table explained' on page 60.

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What you will study

UQ's Bachelor of Design is the ideal program for those looking to develop problem-solving capabilities and develop innovative solutions to challenges of the 21st century.

You will learn to design various solutions to challenges across diverse industries, environments and communities, gaining expertise in designing various outputs, from systems and services to products, experiences, and digital solutions.

Taylor your study pathway by choosing from one of our unique Majors: Information Environments, Innovation and Entrepreneurship, Urban Systems, Architectural Studies, Anthropology, Media and Digital Cultures, or Environment and Society.

Hands-on, studio-based learning combined with access to cutting-edge facilities like the Innovate Lab and opportunities to bring ideas to life through UQ Ventures will enable you to gain the practical experience needed for real-life impact.

At UQ, the Bachelor of Design is where creativity meets purpose, empowering you to drive meaningful change in the world.

Dual degrees are also available – see page 56 for more details.

Program highlights

- Learn how to identify problems and design creative solutions
- Develop adaptable design methods for industry success
- Immerse yourself in hands-on design studio-based projects
- Shape your career with 7 diverse majors to choose from.

"The reputation of UQ as a leading university with a strong emphasis on innovation and design was what initially drew me to this institution. The comprehensive curriculum and opportunity to learn from experienced lecturers made it an easy choice. One of my best memories is collaborating with peers on a co-design project for an aged care community. Engaging directly with the community and watching our ideas come to life was an invaluable experience that highlighted the real-life impact of our studies."

Tanya Mohan
UQ Bachelor of Design graduate

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.

Architectural Studies

The major in Architectural Studies offers a foundational exploration of architecture and the built environment, equipping students with foundational creative and analytical skills. Students gain spatial awareness, structural knowledge and communication skills for architectural design and engage with the principles of architecture at a variety of scales.

With a strong emphasis on collaboration, student work in a dynamic studio setting. This major empowers students to develop design ideas creatively and understand how architects contribute to the shaping of sustainable, inclusive, and inspiring built environments for the future.

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, 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.

Urban Systems

The Urban Systems major provides students with the knowledge and skills to understand the complex and dynamic nature of cities. It fosters a deeper understanding of the relationships between the environment, urban spaces, and communities.

This major challenges students to think critically about sustainable solutions to contemporary urban challenges such as climate change, social justice, and economic and digital transformation. With a strong emphasis on real-life applications, students engage in hands-on learning and case studies to develop practical expertise in spatial analysis, urban policy, and community engagement. Its interdisciplinary foundation empowers students from diverse disciplines to contribute to shaping the cities of tomorrow and drive meaningful, long-term impacts on communities at local and global scales.

Dual degree options

Bachelors of Business Management / Design

This versatile dual program will equip you with the expertise and creativity to respond to the complex needs of a thriving professional environment. Be prepared for a future in business and gain specialist capabilities in problem identification, critical thinking and designing for purpose.

Bachelors of Information Technology / Design

By marrying design principles with technology, this dual program gives graduates a unique and powerful skill set. You'll emerge as a dynamic professional, capable of addressing intricate human problems with a creative and innovative perspective.

Bachelors of Engineering (Honours) / Design

This unique dual program combines engineering and design, enabling graduates to meet future challenges in new and novel ways. You'll graduate with a respected honours qualification, advanced knowledge and leadership skills that will set you apart in a competitive job market.

More information

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

CRICOS CODE 102785B

Real-life planning projects will expose you to plan-making, urban design and community engagement activities, preparing you for professional practice in a dynamic industry.

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

Urban Planning

Planning is a dynamic field that's about improving quality of life and shaping communities in which people can live, work and play.

As a Planner, you'll be involved in research and consultation, report writing, collaboration with communities and other professionals, and preparing plans and strategies. Through UQ's Bachelor of Urban Planning, you will develop industry-relevant knowledge and skills to plan for communities, companies and governments, from site design to regional scale analysis and strategies.

#1
in Queensland for Urban and Regional Planning

EduRank Best Universities for Urban and Regional Planning in the World 2025

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

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**
Start your Urban Planning studies Join the Organisation of Planning Students (OOPS) and connect with planning students from across the School	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 Urban Planning or Urban Planning (Honours) program	**Undertake an industry placement** **Graduate from Urban Planning or Urban Planning (Honours)** Gain a degree accredited by the Planning Institute of Australia and enter the urban planning profession

Build your network

Your peers today could be your future employers, collaborators, or industry contacts. Make connections that matter.

Bachelor of

Urban Planning

UQ's Bachelor of Urban Planning is a future-focused program that combines practical skills, theory, and hands-on experience to prepare you for a meaningful career in planning and sustainable development. Designed for a dynamic professional environment, the program allows you to apply planning theory and enhance your design skills by working on real-life planning projects with industry partners in every year of the program.

QTAC code	UQ code	Minimum Selection Threshold 2025< ATAR / IBAS	Lowest ATAR to receive an offer 2025> Adjusted	Unadjusted	Duration	Start sem	Campus	Honours	Admission requirements
702002	2063	80.00 / 30.00	81.10	81.10	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)

See 'Program table explained' on page 60.

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What you will study

Through a future-focused and industry-connected program, UQ's Bachelor of Urban Planning equips students with the practical skills and critical knowledge needed to shape vibrant, resilient, and inclusive cities and communities. You'll explore key areas such as land-use planning, urban design, climate resilience, transport and infrastructure, heritage and conservation, and the strategic use of information technologies in planning. Specialised electives allow you to tailor your studies to your interests, deepening your expertise in emerging fields.

At UQ we know that the next generation of urban planning professionals face unprecedented tasks at local and global scales, which is why we have forged deep and meaningful connections with industry. Your lecturers are experts in planning theory and practice, and they collaborate with guest lecturers from industry to enhance your education and development.

You'll learn from current practice case studies, benefit from shared networks and have access to valuable professional mentorship. In your fourth year, you'll have the flexibility to tailor your studies to your goals and interests. Eligible students can complete an independent research project through the honours pathway, or continue with advanced coursework. Whichever path you choose, valuable industry placement opportunities are available to ensure your learning remains connected to real-life practice.

You'll graduate with a qualification recognised by the Planning Institute of Australia and be prepared for a variety of interesting roles in the public, private and civil society sectors.

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.

You could 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 Participation in Planning
- Cultural Heritage Management
- Human Settlements
- Introduction to Planning
- Industry Placement
- Resource Management and Environmental Planning
- Teamwork and Negotiation for Planners
- Transport Planning
- Urban Design Theory and Practice.

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:

- Climate change and environmental management
- Community engagement manager
- Development manager
- Environmental planner
- Heritage consultant
- Management consultant
- Social planner
- Spatial analyst
- Strategic planner
- Sustainability consultant
- Transport planner
- Urban designer
- Urban economist
- Urban planner.

Program highlights

- Work on real-life planning projects with industry partners.
- Focus your career with your choice of specialised electives.
- Enrol in an international field study course.
- Accredited by the Planning Institute of Australia.
- Open pathways to further studies in urban planning or honours.

More information

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

CRICOS CODE 001960K

UQ's Urban 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

"As a senior town planner, I work across diverse projects nationwide. One day, I might be managing a development application for a hospital in Canberra; the next, I'm collaborating with government agencies on planning policy for inner-city areas in Brisbane. I lead complex statutory and strategic planning initiatives, serving as the main point of contact for clients, consultants, and authorities. The variety and scope of my work continually inspire me, and I'm grateful for the countless opportunities to make a meaningful difference across multiple sectors."

Lucy O'Malley

Senior Urbanist – Planning, Ethos Urban, a Colliers company

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	IBAS
97.00	41.00

For further information

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
- Artificial Intelligence
- 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.

What's in a computing degree?

At UQ, all computing programs help you understand, create, and innovate with digital technology – but each one takes a different approach to solving problems.

Choosing the right program depends on how you'd like to tackle challenges using technology, and what kind of work you enjoy.

Each program builds a different skillset, from deep technical knowledge to creative design and teamwork. Whether you're driven by logic and algorithms, excited by emerging tech like AI and VR, or passionate about building user-friendly apps, there's a degree that aligns with your strengths and passions.

Use the table below to compare what each program emphasises, so you can choose the one that matches your interests and the kind of tech career you want to build.

What are you interested in?	Computer Science	Information Technology	Software Engineering
Artificial Intelligence	●●●●	●●	●●
Software development	●●●●	●●●	●●●●
Hardware devices (IoT, microcontrollers)	●	●●	●
Maths and logic	●●●●	●●	●●●
Virtual and augmented reality	●	●●●	●
Data and algorithms	●●●	●●	●●●
Programming and coding	●●●●	●●●	●●●●
Web design and development	●	●●●	●●
Design and User Experience	●	●●●●	●●
Information systems	●●●	●●●●	●

Computer Science

What makes this technology work?

Focuses on the underlying algorithms and processing logic behind how computers and software operate efficiently and securely.

Software Engineering

How do we build this so it's reliable and works every time?

Uses engineering methods to design, create, and maintain complex software systems.

Information Technology

How do people use this, and how can we make it user-friendly and helpful?

Looks at how to apply technology to solve real problems in business, health, and everyday life.

Key similarities

- All 3 involve solving problems with technology.
- All require skills in coding, critical thinking, teamwork and communication.
- All prepare you for future careers in tech – but in different roles.
- All help shape the future of how we live, work, and connect with others.


UNIVERSITY
OF

Computer Science

The pace of change in digital technologies is extraordinary. Artificial intelligence, unprecedented computing 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.

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

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)**
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	Budding student entrepreneurs can consider the UQ Ventures program Consider a Study Abroad semester	**Capstone project course** **Graduate from the Bachelor of CS** 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 CS (Honours)**

World-class fun

University isn't just about studying – immerse yourself in extra-curricular activities while earning a globally recognised degree.

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.

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.

QTAC code	UQ code	Minimum Selection Threshold 2025< ATAR / IBAS	Lowest ATAR to receive an offer 2025> Adjusted	Unadjusted	Duration	Start sem	Campus	Honours	Dual program available	Admission requirements
733401	2451	84.00 / 32.00	84.45	80.75	3 years full-time (or part-time equivalent)	1, 2	St Lucia	Additional year of study	Arts, Business Management, Commerce, Economics, 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

See 'Program table explained' on page 60.

< Minimum (adjusted) selection threshold 2025 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, 2025. 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

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 computing 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, artificial intelligence, programming languages, or scientific computing.

Team Oceania at the International Cybersecurity Championship

Majors you can specialise in

Artificial Intelligence

Artificial Intelligence (AI) is the field of computer science dedicated to creating systems capable of performing tasks that typically require human intelligence. These tasks include reasoning, learning from experience, understanding natural language, recognising patterns, making decisions, and synthesising knowledge. AI systems simulate human cognition and can adapt and improve their performance over time, often by leveraging techniques like machine learning. AI is now ubiquitous, with applications in healthcare, finance, autonomous vehicles, education, and more, enabling computers to solve complex problems, automate tasks, and enhance human capabilities.

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 join the next generation of data science professionals.

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.

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

"Coming from a non-programmatic background, I love seeing myself grow by progressing through assignments of varying difficulties. It shows me how far I've come in my journey of programming and problem-solving, and how much more there is to come! The pure rush of relief and joy after seeing my code run is unrivalled and I wouldn't trade it for anything else."

Amber Chen
Bachelor of Computer Science (Cyber Security) / Master of Cyber Security student

Top 100 in the world for Computer Science and Information Systems
QS World University Rankings by Subject 2025

1.2 million technology related jobs needed in Australia by 2030
Australian Government, Minister for Industry and Science

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.

2024 Student Project
Aqualumina

Designed to foster a deeper connection between humanity and ocean ecosystems, this project uses immersive and augmented technology to create an interactive, playful space inspired by underwater exploration. Users can engage with sea creatures through a light-designed trident and hand lamp, controlling seaweed, guiding fish to their homes, and triggering coral colour changes as fish approach.

These dynamic interactions immerse users in the beauty of marine life, enhancing their understanding of biodiversity and promoting conservation awareness.

Designed by
Mingkun Li, Peibei Wu, Pranav Krishna Biju, Sri Indriyani Diartiw

Information Technology

With an information technology degree, your career possibilities are endless. You'll gain the technical expertise and creative problem-solving skills to design innovative, user-centred solutions across industries – from e-commerce and health to immersive media and entertainment.

As a UQ Information Technology graduate, you'll be ready to meet industry demands. Graduates are equipped with technical and design skills to work on human-centred digital solutions. The knowledge and skills you learn in understanding people, data and code will enable you to develop and evaluate innovative software and information technology systems that are for crucial for society.

#1

in Queensland for Computer Science and Information Systems

QS World University Rankings by Subject 2025

Top-paying roles for 2024-2025

CIO Up to $375K
Projects Director Up to $300K
Data Architect Up to $250K
Development Manager $250K

Australian Computing Society

Entry level roles for 2024–2025

UI/UX Designer Starting at $100K
Full Stack Dev Starting at $120K
Front End Dev Starting at $90K

Hays Salary Guide FY24/25 (for roles in QLD)

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)

Bachelor of

Information Technology

Learn to design meaningful digital solutions with impact – where people, technology, and ideas connect.

QTAC code	UQ code	Minimum Selection Threshold 2025< ATAR / IBAS	Lowest ATAR to receive an offer 2025> Adjusted	Unadjusted	Duration	Start sem	Campus	Honours	Dual program available	Admission requirements
733001	2453	84.00 / 32.00	86.85	82.85	3 years full-time (or part-time equivalent)	1, 2	St Lucia	Additional year of study	Arts, Business Management, Commerce, Design, Engineering (Honours), Human Movement and Nutrition Sciences, 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 60.

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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.

The suite of studio courses, which is the backbone that sets this degree apart, provides students the opportunity to creatively apply knowledge and skills in open-ended projects and hone their skills to meet industry demands.

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

Students demonstrating their physical computing project at the 2024 Interaction Design Exhibit

Majors you can specialise in

User Experience Design

New technologies only succeed if they work for people. User Experience (UX) designers ensure that software, websites, and emerging technologies are intuitive, effective, and human-centred – from commercial applications to personal devices, and everything in between.
The User Experience Design study area is ideal for students who want to design meaningful, people-first solutions across a broad range of contexts. UX designers are in demand across all sectors of computing, thanks to their unique blend of creativity, empathy, and technical expertise. Courses in this major focus on design skills and creativity, programming, and prototyping with a range of technologies – from physical products to AR/VR, mixed media, web, and mobile applications. Design skills are developed and refined through hands-on 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 power the data-driven world we live in, from retail and banking to healthcare, transport, and entertainment. In this study area, you'll develop the technical skills to design, build, and optimise large-scale, high-performance systems that support real-time decision making. With a strong focus on modern database design and architecture, these courses prepare you to create robust backend systems that keep today's digital experiences running smoothly.

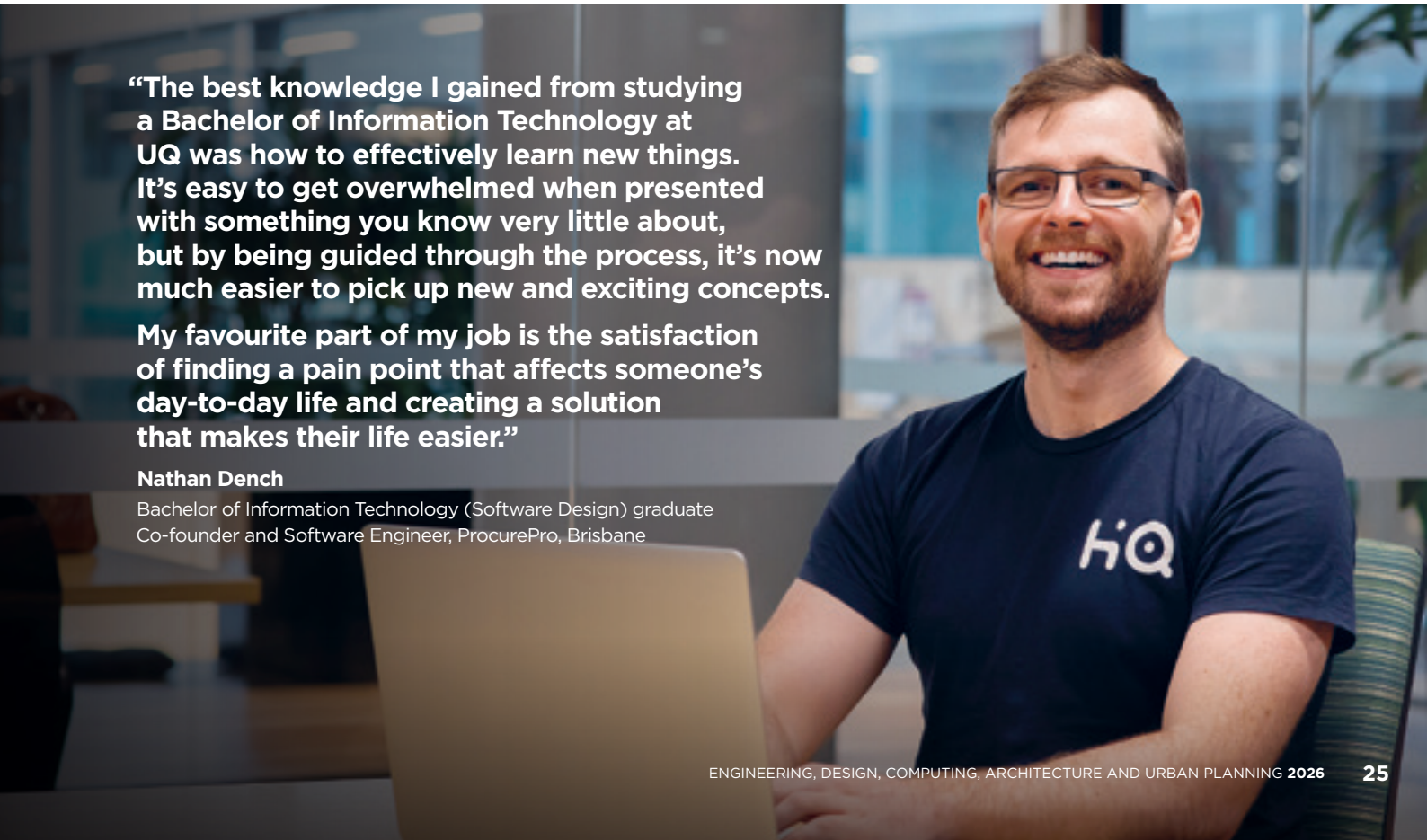
Minor

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.

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

Studying engineering at UQ is about more than earning a degree – it's about unlocking your potential to lead, innovate, and solve the challenges of tomorrow. If you're ready to make an impact and shape the future, UQ is the perfect place to start.

Engineering is an exciting and rewarding career that puts you at the forefront of innovation, design, and problem-solving. At UQ, you'll develop the skills, creativity, and confidence to tackle the world's most complex challenges and engineer a better future. With demand for forward-thinking engineers higher than ever, UQ will empower you to make a real difference.

Our Bachelor of Engineering (Honours) and Bachelor of Engineering (Honours) / Master of Engineering programs combine hands-on, industry-relevant learning with a strong foundation in mathematics, science, and engineering design. You can specialise in areas that align with your passions – whether it's creating smart, sustainable cities, innovating in digital technology, advancing global energy solutions, protecting the environment, improving healthcare, or exploring the possibilities of space.

Your journey as an engineering student

Year 1	Year 2	Year 3	Year 4 (optional)
Flexible first year	**Choose a specialisation**	**Choose a major**	**Apply your skills**
Start your Bachelor of Engineering (Honours) studies You can join over 220 clubs and societies at UQ	Select one of 6 engineering specialisation areas	Consolidate your study and choose a major Consider Study Abroad semester	**Graduate from the Bachelor of Engineering (Honours)**

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 2023

Work anywhere in the world

Our qualifications are accredited by Engineers Australia, allowing graduates to work anywhere in the world.

UQ Innovate

Collaborate, create, and problem-solve in our industry-grade makerspace – the perfect hub for innovation and teamwork.

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 2025< ATAR / IBAS	Lowest ATAR to receive an offer 2025> Adjusted	Unadjusted	Duration	Start sem	Campus	Honours	Dual program available	Admission requirements
717001	2455	84.00 / 32.00	84.00	79.00	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, Diploma in Languages	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 60.

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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.

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.

Specialisations

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

More information

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

CRICOS CODE 080734K

Alternative pathways

Didn't get a high enough ATAR?

High school	Year 1 at UQ	Year 2 at UQ
Completed Mathematical Methods, and either Chemistry or Physics in high school, but didn't get the required ATAR?	**Bachelor of Science** Take Engineering academic advice in course selection. Achieve a GPA of 4.0 or higher in your first year.	**Bachelor of Engineering (Honours)** Receive up to 8 units 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
Haven't completed Physics or Chemistry prerequisite courses for the BE(Hons)? **Completed Mathematical Methods?**	**Bachelor of Information Technology** 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.	**Bachelor of Engineering (Honours)** Receive up to 8 units of credit towards the BE (Hons). Undertake core engineering courses in second year before realigning.
Haven't completed Mathematical Methods?	**Bachelor of Design** 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.	**Bachelor of Engineering (Honours)** Receive credit towards the BE (Hons). Undertake core engineering courses in second year before realigning.

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 2025< ATAR / IBAS	Lowest ATAR to receive an offer 2025> Adjusted	Unadjusted	Duration	Start sem	Campus	Honours	Admission Requirements
717111	2350	97.00 / 41.00	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 60.

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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 graduate from UQ and a European university.

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 graduate with a Master's degree from Europe, as well as the integrated Bachelor/Master degree from UQ. Limited to specific specialisations and universities.

Where can you study?

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

CentraleSupélec (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

Why study the integrated master's degree at UQ? Here are 4 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

Outstanding employment opportunities

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

04

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.

Practical hands-on experience from your first semester

Your integrated master's over 5 years

Year 1
Flexible first year

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

Year 2
Choose an engineering field of study

Choose a study area and undertake courses specific to your career aspirations. There are 15 areas to choose from (refer to Fields of Study list, left).

Year 3
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

Years 4 and 5
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.

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
- Metallurgical
- Materials
- Environmental
- Biomedical

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.

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

Fields of study in Chemical Engineering

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

"What stood out to me during my studies and early career was the amount of travel opportunities.

The mining clubs were also a highlight, with engaging events that became some of the most memorable parts of my university experience.

As a graduate, I enjoy the variety of career paths available. I chose technology, where I now work on research and design projects, pilot testing, and commissioning equipment onsite.

The chance to see the supply chain of diverse commodities and the travel opportunities make my current role exciting."

Kai Johnston
Metallurgist, Glencore Technology

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

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

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.

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

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 health care 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.

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

*QS World University Rankings 2024

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

Mechanical Systems Design (MECH3100) students in one of UQ's design studios

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 Mechatronics degrees in Australia? Do you want to learn to build cutting-edge robots or autonomous drones?

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

"The best part of my degree is the journey of continual learning and growth. While the coursework can be challenging, there's a real satisfaction in grasping new and difficult concepts. Each breakthrough reminds me that I can achieve anything I set my mind to, and the chance to innovate and make an impact keeps me motivated for what's next.

One of my favourite experiences so far has been working on the team project for ENGG1100, where we designed, built and tested a firefighting robot. I enjoyed the hands-on collaboration, constantly refining and testing our design."

Fiona McGann
Bachelor of Engineering (Honours) (Mechatronic) student

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

- Computer

Minors

- Data Science
- Design

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.

Sahtya Bhasale, Bachelor of Engineering (Honours) (Software)/ Master of Engineering student, on industry placement in Elexon

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.

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

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.

92.4%

of UQ engineering graduates are employed

Graduate Outcomes Survey 2023

Skills you need

- **Problem-solving**
- **Analytical thinking**
- **Creativity**
- **Innovation**
- **Critical thinking**
- **Communication**
- **Teamwork**

Starting salary by study area*

*Undergraduate full-time median salary, Graduate Outcomes Survey 2023

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.

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 + Marine

Digital Design and 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

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 + 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

Electrical Engineering
Biomedical

Mechanical 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

Civil Engineering
Geotechnical | Mining

Mechanical Engineering
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

Mechanical Engineering
Aerospace | Materials

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 + Marine

Electrical Engineering
Computer

Mechanical Engineering
Materials | Mining

Mechatronic Engineering
Computer

Software Engineering
Computer

Key: **Specialisations** Majors

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.

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 28 per cent of enrolments into engineering programs in 2024, compared to a national average of 19 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 2024.

"I want to encourage and support more girls to pursue careers in engineering, developing a community of support and mentorship for women in the industry and fostering a sense of inclusion and belonging. I am dedicated to making a positive contribution to this vital effort because I firmly believe that expanding diversity in engineering is necessary to spur innovation and address difficult problems."

Chiara Musso

Bachelor of Engineering (Honours) (Mechanical and Aerospace) student
WE Student Leader

Meet all the WE Student Leaders

eait.uq.edu.au/we/student-leaders

From left to right: Zara Fernando, Bachelor of Engineering (Honours) (Civil); Charlotte Radel, Bachelors of Engineering (Honours)/Science (Civil and Environmental Engineering/Geographical Science); and Julia Cepon, Bachelor of Engineering (Honours) (Civil)

More women enrol in undergraduate engineering programs at UQ than any other university in Queensland.
With 28 per cent domestic women commencing undergraduate engineering programs at UQ in 2024.*

Did you know that UQ offers multiple scholarship opportunities?
Some specifically for women in engineering!
scholarships.uq.edu.au

Listen to our podcast
On your favourite podcast platform now

But seriously, what is ENGINEERING?
The University Of Queensland

Would you like to know more?
we@eait.uq.edu.au
+ 61 7 3443 1654
womenin_engineering
eait.uq.edu.au/we

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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)
WiC Student Leader

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

Get connected

BoostHer: Helping young women transition from high school into university

BoostHer is an app developed by the Women in Computing Student Leaders to hone their development skills while helping future students have a seamless onboarding experience at UQ.

Designed by women for women, BoostHer enables high school girls to explore their interests, connect with university life, and find like-minded peers.

Download the BoostHer app now
eait.uq.edu.au/wic/boosther

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.

Discover how to experience UQ at your school
eait.uq.edu.au/wic/support-for-high-schools

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.

First year learning spaces

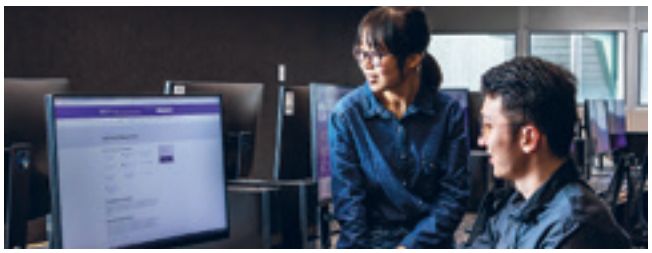
We offer a variety of vibrant, multi-purpose spaces designed to enhance your first-year experience. These welcoming areas are your home on campus – perfect for connecting with peers, finding support, and receiving guidance for your studies.

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

Transcend 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**

For 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 2025, a non-school leaver, or completed Year 12 in 2024 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.

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

200+ more to choose from

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

> **"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

Engineering, Computing, Architecture scholarships

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 and 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.

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.

Engineering Futures

To support engineering students who are experiencing financial hardship.

Award value: Up to $30,000 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.

Newmont 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.

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.

Employability

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

EAIT Employability empowers EAIT students to develop the skills, knowledge, and confidence to excel in their future career.

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

EAIT Employability is dedicated to empowering our students to develop essential career development and employability skills and expand their professional networks. We prepare students to thrive in the competitive job market through tailored resources, impactful workshops, and strategic industry collaborations, fostering the confidence and know how to begin successful careers.

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.

Get career ready

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

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 provides instant and personalised feedback on your resume. Meaning you can receive instant feedback, regardless of the day or time.

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
- Special ongoing events including multi-day bootcamps, courses and programs.

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.

We have expertise to share

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

- one-on-one consultations to discuss topics related to your resume, 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
Visit us on Level 3,
Hawken Engineering Building (50)
eait.uq.edu.au/employability

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 resume.

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 UQ 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.

Dual degrees

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.

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.

31 engineering, computing and design dual degree combinations are available

QTAC code	Duration (years)	Minimum Selection Threshold 2025< ATAR / IBAS	Lowest ATAR to receive an offer 2025> Adjusted	Unadjusted
Dual Degrees with the Bachelor of Design				
Business Management / Design				
709511	4	84.00 / 32.00	84.10	84.10
Engineering (Honours) / Design				
717121	5.5	84.00 / 32.00	84.95	83.30
Information Technology / Design				
733310	4	84.00 / 32.00	86.20	86.20
Dual Degree with the Bachelor of Computer Science				
Computer Science / Arts				
733501	4	84.00 / 32.00	85.85	83.85
Computer Science / Business Management				
733701	4	84.00 / 32.00	88.80	86.70
Computer Science / Commerce				
733801	4	84.00 / 32.00	91.35	91.00
Computer Science / Economics				
709105	4	84.00 / 32.00	89.85	87.75
Computer Science / Master of Cyber Security				
733411	4	97.00 / 41.00	97.00	95.00
Computer Science / Master of Data Science				
733421	4	97.00 / 41.00	97.10	93.70
Computer Science / Laws (Honours)				
733901	5	97.50 / 41.75	97.70	96.40
Computer Science / Science				
733601	4	84.00 / 32.00	86.95	84.95
Engineering (Honours) / Computer Science				
717721	5.5	84.00 / 32.00	84.00	79.00
Mathematics / Computer Science				
714421	4	92.00 / 36.75	92.15	88.00

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.

QTAC code	Duration (years)	Minimum Selection Threshold 2025< ATAR / IBAS	Lowest ATAR to receive an offer 2025> Adjusted	Unadjusted
Dual Degree with the Bachelor of Engineering (Honours)				
Engineering (Honours) / Arts				
717401	5.5	84.00 / 32.00	89.55	87.55
Engineering (Honours) / Biotechnology				
717501	5	84.00 / 32.00	85.60	85.60
Engineering (Honours) / Business Management				
717301	5.5	84.00 / 32.00	86.45	86.35
Engineering (Honours) / Commerce				
717201	5.5	84.00 / 32.00	84.80	84.45
Engineering (Honours) / Computer Science				
717721	5.5	84.00 / 32.00	84.00	79.00
Engineering (Honours) / Design				
717121	5.5	84.00 / 32.00	84.95	83.30
Engineering (Honours) / Diploma in Languages				
717801	5	84.00 / 32.00	95.70	90.70
Engineering (Honours) / Economics				
717601	5.5	84.00 / 32.00	84.15	83.35
Engineering (Honours) / Information Technology				
717701	5.5	84.00 / 32.00	84.70	82.70
Engineering (Honours) / Mathematics				
717901	5	92.00 / 36.75	92.30	88.15
Engineering (Honours) / Science				
717101	5	84.00 / 32.00	85.30	81.30
Dual Degree with the Bachelor of Information Technology				
Business Management / Information Technology				
710401	4	84.00 / 32.00	85.00	80.05
Commerce / Information Technology				
711621	4	84.00 / 32.00	86.55	81.55
Engineering (Honours) / Information Technology				
717701	5.5	84.00 / 32.00	84.70	82.70
Human Movement and Nutrition Sciences / Information Technology				
720802	4	84.00 / 32.00	86.85	82.85
Information Technology / Arts				
733201	4	84.00 / 32.00	89.85	89.85
Information Technology / Design				
733310	4	84.00 / 32.00	86.20	86.20
Information Technology / Science				
733301	4	84.00* / 30.50*	86.85	82.85

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.
< Minimum (adjusted) selection threshold 2025 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 2025.
* 2024 entry.

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/pathways

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/fees-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 21,000 international students from 141 countries

"The flexibility of studying engineering at UQ appealed to me, as you can try 6 areas of specialisation in your first year.

I chose electrical engineering and software engineering. I enjoy the practical aspects of my program and I value the support provided by UQ staff for the more challenging assessments.

The staff in Engineering and Technical Support Group are all very kind and patient to listen to your questions and help you find ways to solve them."

Yutong Weng, China

Applying to UQ

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

01
Choose your program

Choose a program that matches your interests, passions or career goals.

Pages 2–46

02
Review entry requirements

Review all the entry requirements for the program you're interested in, including subject prerequisites.

Pages 4–30

03
Check ATAR guarantee

Check the minimum selection rank needed to guarantee a place in your program of interest.

study.uq.edu.au/atar-guarantee

04
Explore admission schemes

Explore the admission schemes you may be eligible for (including adjustments) to help you get into UQ.

study.uq.edu.au/admission-schemes

05
Consider your pathway options

Consider alternative pathways to university if you need help meeting entry requirements.

study.uq.edu.au/pathways

06
Organise your finances

Organise how you will pay for your studies by checking the financial support available to you.

study.uq.edu.au/cost-living

07
Determine credit eligibility

Determine whether you're eligible to receive credit for courses in a UQ program based on your prior study.

study.uq.edu.au/admissions/undergraduate/check-credit-eligibility

08
Submit your application

Submit your application through QTAC, noting any important deadlines.

qtac.edu.au

09
Respond to your offer

Respond to your offer from UQ by accepting outright or conditionally, or deferring your studies (taking a gap year).

qtac.edu.au

10
Get ready for UQ

Get excited! You'll receive an email from UQ guiding you through the next steps to prepare for your first semester.

For a full step-by-step guide on UQ's undergraduate application process.

study.uq.edu.au/admissions/undergraduate

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 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). Some New Zealand citizens may also qualify for HELP if they meet long term residency requirements. 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.

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

A SSAF of $30 per enrolled unit will be charged, with an annual limit of $365. Once the SSAF limit of $365 for 2025 is reached, no further charges will be applied until the following year. This fee is indexed annually.

study.uq.edu.au/ssaf

Keeping your costs down

Investigate the financial support and fee payment options offered by Centrelink

servicesaustralia.gov.au

Explore the scholarships on offer (see pages 52–53)

Enjoy UQ Union's free and low-cost entertainment and activities, such as Food Co-op, 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 2026 are expected to be available from November 2025. 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

Commonwealth-supported fee bands

Band	Area of study	Annual student contribution*
4	Law, accounting, administration, economics, commerce, communications, society and culture	$16,992
3	Dentistry, medicine, veterinary science	$13,241
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	$9,314
1	Agriculture, English, mathematics, education, clinical psychology, Indigenous and foreign languages, nursing, statistics	$4,627

*2025 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	$2,422–$3,261*	$950–$2,686	$2,426–$3,033
Utilities Gas, electricity, water	Included in rent	$100–$150**	$200–$300
Food	Included in rent^	$463–$940	$832–$1,500
Mobile phone / internet	$15–$150	$15–$150	$45–$150
Public transport	$26–$52	$39–$65	$117–$195
TOTAL	$2,463–$3,463	$1,567–$3,991	$3,620–$5,178

* 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.

Program table explained

QTAC code	UQ code	Minimum selection threshold 2025 ATAR / IBAS	Lowest ATAR to receive an offer 2025 Adjusted	Unadjusted	Duration	Start sem	Campus	Honours	Dual program	Admission requirements

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 2025 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.

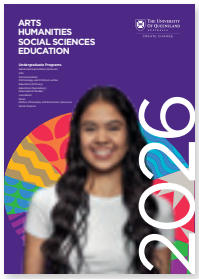
Honours
At UQ, honours may be awarded as a one-year bachelor's honours degree after you have completed a bachelor's degree, or as a single bachelor's honours degree typically taking 4 years of study. Some undergraduate programs allow eligible students to transfer to a bachelor's honours degree at a defined 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 150 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
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

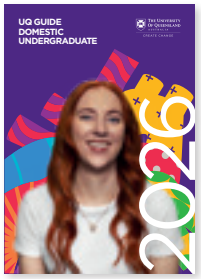
Architectural Design
Computer Science
Design
Engineering (Honours)
Information Technology
Regional and Town Planning

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
Nutrition Sciences / Dietetics Studies
Occupational Therapy (Honours)
Pharmacy (Honours)
Physiotherapy (Honours)
Psychological Science (Honours)
Social Work
Speech Pathology (Honours)

Science, Mathematics, Agriculture and Environment

Advanced Science (Honours)
Agribusiness
Agricultural Science
Biotechnology
Environmental Management (Honours)
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

Brisbane Careers and Employment Expo
Brisbane Convention and Exhibition Centre
12–14 June

Tertiary Studies Expo (TSXPO)
RNA Showgrounds
Saturday and Sunday 19–20 July 2025

UQ Open Day 2025
St Lucia campus Sunday 3 August 2025
Gatton campus Sunday 17 August 2025

Semester 1, 2026
Classes commence
Monday 23 February 2026

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