



THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

CREATE CHANGE

Careers in Technology



#1

in Queensland for
computer science and
information systems

(QS World University Rankings by Subject 2026)

Transforming every industry

Technology is one of the biggest drivers of change. It's transforming industries, creating new possibilities and opening opportunities that were once unimagined.

From artificial intelligence and cyber security to robotics, data science and digital design, technology is reshaping how we live, work and connect. It powers breakthroughs in sectors like healthcare, renewable energy, climate solutions, entertainment, space exploration and more. Technology creates opportunities to solve complex challenges and make a real impact.

Many of today's most exciting technology careers didn't exist a decade ago. Many of tomorrow's haven't been invented yet. As technology continues to evolve, new industries, roles and opportunities will emerge, creating strong demand for people with digital skills, creativity and problem-solving capabilities.

And this is only the beginning.

As technology continues to evolve, new industries, roles and opportunities will emerge. Australia's tech workforce is projected to exceed 1.2 million jobs by 2030, with demand growing for digital expertise across every state, territory and industry. *

That means you're not preparing for a single job. You're preparing for a career that will evolve, expand and open new possibilities over time. With the right combination of creativity, curiosity and technical skills, you won't just be ready for the future, you'll help create it.

Degrees built for what's next.

Technology never stands still, and neither should your skills.

At UQ, you'll develop the capabilities to adapt, innovate and take advantage of new opportunities as they emerge. Through hands-on projects and industry engagement, you'll learn to solve complex problems and apply technology in meaningful ways from your very first semester.

Because the most valuable skill in technology isn't mastering today's tools. It's being ready for whatever comes next.

*Sources: Tech Council of Australia, 2023; Jobs and Skills Australia, 2026; Sources: Engineers Australia, 2025; GradConnection, 2025



Salary snapshot (HAYS Salary Guide, 2026)

In demand roles

- UI/UX Designer: Up to \$180k
- Full Stack Developer: Up to \$165k
- Front End Developer: Up to \$150k
- Data Scientist: Up to \$250k
- Data Analyst: Up to \$130k

Top-paying roles

- Chief Information Officer: Up to \$375k
- Chief Data Officer: Up to \$350k
- Data Architect: Up to \$250k
- Development Manager: Up to \$250k
- Chief Technical Officer: Up to \$370k



Discover your options

Content and Design

I like...	My degree options	My speciality	I could be a...
+ Developing apps or websites in tech clubs + Being creative + Organising virtual events or online study groups + Joining student clubs and committees + Working on art projects + Playing puzzles or strategic games + Presenting complex topics in an easy way + Building and programming robots + Working in a team to solve complex problems + Working with people to create technology	Bachelor of Information Technology User Experience Design Bachelor of Design Information Environments	Creative Content and Communications	+ Graphic Designer + Digital Marketer + Digital Strategist + Design Manager + Digital Media Manager + Product Designer + User Experience (UX) Designer + User Interface (UI) Designer
		Product Design Web and Mobile Design Wearable Technology, VR and AR	+ Web Designer/Developer + App Developer + E-Commerce Specialist + User Interface (UI) Designer + Front-End Developer + Game Developer + User Experience (UX) Designer + Project Manager + Interaction Designer

Technology Services

I like...	My degree options	My speciality	I could be a...
+ Taking apart and assembling computers + Taking on challenging projects in STEM classes + Creating student surveys and analysing the data + Joining a coding club + Exploring different operating systems + Taking on leadership roles in clubs or teams + Automating tasks to make assignments easier + Getting involved in cybersecurity competitions	Bachelor of Computer Science Cyber Security Cyber Security, Artificial Intelligence, Data Science, or Programming Theory Bachelor of Computer Science / Master of Cyber Security Bachelor of Information Technology Solution Architecture or Software Information Systems Bachelor of Engineering (Honours) Software	Systems and Networks	+ Cloud Specialist + Systems Administrator + IT Consultant + Software Engineer + Systems Performance and Resilience Engineer + Systems Designer + Game Developer + Site Reliability Engineer + Network Engineer + Applications Developer
		IT Security and Forensics	+ Digital Forensics Investigator + Ethical Hacker + Cyber Security + Systems Administrator + Specialist + Application Security Specialist + Security Architect + Security Analyst Certificate Authority Consultant

Business Services

I like...	My degree options	My speciality	I could be a...
+ Working on school IT projects + Volunteering for community service projects + Participating in debate club or mock trial + Creating online schedules for your study group + Organising school parties, fundraisers, or club activities + Creating feedback surveys for school events or publications	Bachelor of Computer Science Data Science, Artificial Intelligence Bachelor of Computer Science / Master of Data Science Bachelor of Information Technology Software Information Systems, Solution Architecture	Data Management and Analysis	+ Security + Privacy Engineer + Business Analyst + Data Scientist + Digital Analyst + Data Engineer + Market Analyst + Big Data Architect
		Business Information Systems	+ Data Migration Specialist + Social Media Data Strategist + Information Architect + Database Administrator (DBA) + IT Support Officer + Cloud Architect + Chatbot Developer

Product Development

I like...	My degree options	My speciality	I could be a...
+ Creating projects with Arduino or Raspberry Pi + Participating in hackathons or coding challenges + Developing apps or tools for school use, such as digital planners + Taking online courses on AI and Machine Learning + Designing unconventional art or tech projects + Working on personal projects that push the boundaries of current technology + Contributing to open-source projects + Building DIY electronics kits + Competing in logic-based competitions like chess or math contests	Bachelor of Engineering (Honours) Electrical, Robotic and Mechatronic, Software Bachelor of Computer Science Artificial Intelligence, Data Science, Programming Theory. Bachelor of Computer Science/Master of Data Science Bachelor of Information Technology Software Information Systems, Solution Architecture	Hardware	+ Electrical Engineer + Product Design Engineer + Automation Engineer + Hardware Systems Design Engineer + AI Programmer + Robotics Engineer + Machine Learning Engineer
		Software	+ DevOps Engineer + Software Engineer + Games Developer + Software Architect + Programmer + Full Stack Developer + Software and System Test Engineer + Natural Language Processing (NLP) Engineer + Machine Learning Engineer

Why study tech at UQ?

At UQ, you'll develop more than technical knowledge. Through networking events, work immersions, industry opportunities and employability programs, you'll build the professional skills, connections and experience needed to confidently enter the workforce. UQ supports students in exploring career pathways, connecting with employers and to graduate ready to thrive in a rapidly evolving industry.

#1

in Queensland

You'll study at Queensland's top-ranked university for computer science and information systems – and one of the best globally.

(QS World University Rankings by Subject, 2026)



Learn in UQ's Cyber War Rooms

You'll learn in UQ's Cyber War Rooms, device testing labs, design studios, and energy test labs – places where students run real-world cyber-attack simulations and test smart devices.



Learn to think like a tech innovator

UQ's hands-on curriculum blends data, code, and human-centred design, so you can solve real-world problems in any industry – from health to space tech.



Access UQ's Employability team

Develop your mindset, capabilities and professional networks to enhance your employability before graduation. Go to our employability workshops, careers panels, work immersions and more.



Graduate faster, go further

Want to stand out? UQ offers vertical degrees where you can finish both a bachelor's and master's degree in just 4 years – helping you fast-track to leadership roles.



Learn from tech leaders

Your teachers include AI experts and cybercrime fighters like Professor Ryan Ko and Professor Shane Culpepper – Google them.



Launch into a global career

UQ's Bachelor of Computer Science and Bachelor of Information Technology are accredited by the Australian Computer Society – ensuring your qualification is globally respected and meets international industry standards.



Global experiences and networks through UQ

Gain a global edge with UQ's international study opportunities, including semester exchanges and short-term programs.



Collaborative spaces built for innovation

At UQ, you'll learn in modern labs and collaborative spaces designed to help you experiment, build, and create with other students.



Enjoy a world-class campus lifestyle

UQ St Lucia boasts lakeside study spots, green open spaces, and state-of-the-art labs and study spaces – all just 7km from Brisbane's CBD. Campus life includes cafes, sports facilities, markets, music, and more.

A man with short brown hair, wearing a light blue button-down shirt, stands with his arms crossed in a server room. Behind him are rows of server racks and a computer monitor displaying a blue and yellow screen.

Your future, by the numbers

Australia's technology industry is...



the biggest contributor to long-term productivity growth in our economy



contributing \$248.5 billion annually to the Australian economy



growing 50% faster than the broader economy



one of the nation's fastest-growing and highest-paid industries



employing almost 1 million Australians



projected to grow to 1.2 million jobs by 2030

Source: Tech Council of Australia, 2023-2026.

High demand. Strong growth. Competitive salaries.

- Technology skills are in high demand, 82% of organisations are reporting skills shortages and employers are seeking graduates who can help them adapt to rapidly changing technologies and digital transformation.
- Artificial Intelligence is reshaping the workforce, with 60% of employees already using AI at work. Yet only 22% have received formal AI training, creating strong opportunities for graduates with AI, data and computing expertise.
- Technology careers offer strong earning potential and career progression, with specialist roles such as data scientists earning up to **\$250,000** and senior technology leaders earning more than **\$350,000** per year.

- Digital skills are needed across every industry, from healthcare, finance and defence to mining, renewable energy and entertainment, creating diverse career opportunities for technology graduates.
- Flexible, future-focused and constantly evolving, technology careers provide opportunities to work on emerging technologies, solve real-world problems and build skills that remain relevant as industries change.

Source: Hays Salary Guide FY26/27, Australia and New Zealand, Technology and Workforce Trends Report (2026)

Bachelor of Computer Science

Duration: 3 years full-time

Entry requirements: QLD Year 12 (or equivalent) English, and Mathematical Methods

Accreditation: Australian Computer Society

Dual degrees with Bachelor of Computer Science:

Arts • Business Management • Commerce • Economics • Engineering (Honours) • Mathematics • Laws • Science

Bachelor of Computer Science / Master of Data Science

Duration: 4 years full-time

Entry requirements: QLD Year 12 (or equivalent) English, and Mathematical Methods

Accreditation: Australian Computer Society

Bachelor of Computer Science / Master of Cyber Security

Duration: 4 years full-time

Entry requirements: QLD Year 12 (or equivalent) English, and Mathematical Methods

Accreditation: Australian Computer Society

Bachelor of Information Technology

Duration: 3 years full-time

Entry requirements: QLD Year 12 (or equivalent) English, and one of General Mathematics, Mathematical Methods or Specialist Mathematics (Units 3 & 4, C)

Accreditation: Australian Computer Society

Dual degrees with the Bachelor of Information

Technology: Arts • Business Management • Design • Commerce • Engineering (Honours) • Human Movement and Nutrition Sciences

Bachelor of Engineering (Honours)

Duration: 4 years full-time

Entry requirements: QLD Year 12 (or equivalent) English, Mathematical Methods, and one of Chemistry or Physics

Accreditation: Engineers Australia

Dual degrees with the Bachelor of Engineering

(Honours): Arts • Biotechnology • Business Management • Commerce • Computer Science • Design • Economics • Information Technology • Mathematics • Science • Diploma in Languages

Want to know more?

Visit study.uq.edu.au



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