



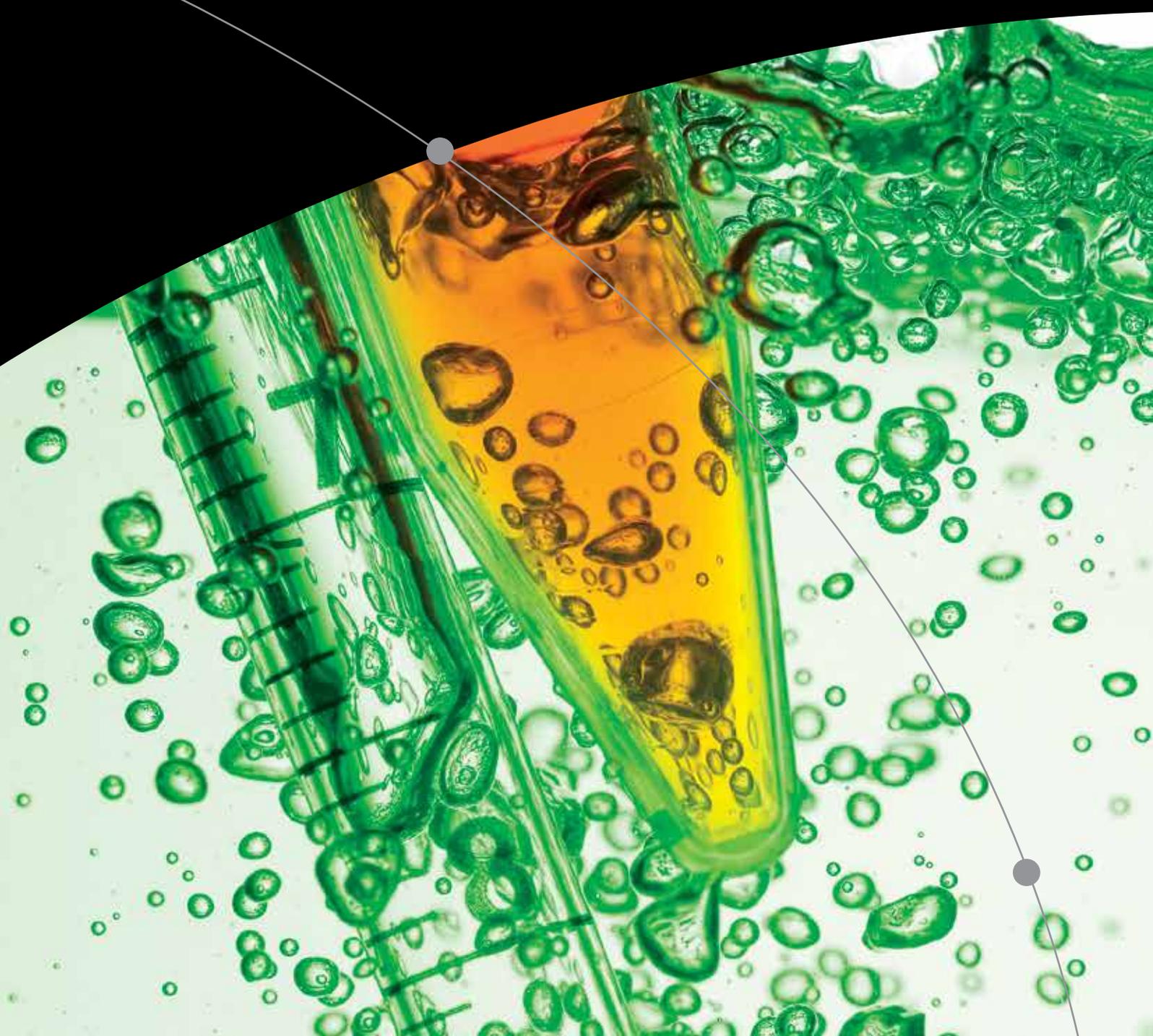
THE UNIVERSITY
OF QUEENSLAND
AUSTRALIA

Create change

SCIENCE

Postgraduate

Agribusiness
Agricultural Science
Animal Science
Bioinformatics
Biotechnology
Conservation
Environmental Management
Financial Mathematics
Food Science and Technology
Geographic Information Science
Magnetic Resonance Technology
Mineral Resources
Molecular Biology
Molecular Imaging
Occupational Health and Safety Science
Science
Urban and Regional Planning
Veterinary Science





CHOOSE UQ



LEADING RESEARCH

Ninety five percent of UQ's broad fields are now above or well-above world standard, and none are below (2015 Excellence in Research for Australia (ERA) assessment)



INTERNATIONAL REPUTATION

UQ is one of only three Australian members of the global Universitas 21, a founding member of the Group of Eight (Go8) universities, and a member of Universities Australia



GLOBAL LEADER

Ranked in the top 50 in the world overall (QS World University Rankings, 2015-2016)



ESTEEMED TEACHERS

More national teaching awards than any other Australian University



SUCCESSFUL GRADUATES

UQ graduates enjoy full-time employment rates and salaries higher than the national average



WORLD-CLASS FACILITIES

Access state-of-the-art laboratories and research facilities



VIBRANT CAMPUSES

Dynamic on campus environment, with over 190 sporting and cultural clubs and societies

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Maximum 5-Star Rating in 2016
Australian Good Universities Guide



STUDENT DEMAND



GRADUATE OUTCOMES



RESEARCH GRANTS



RESEARCH INTENSIVITY



STAFF QUALIFICATIONS

WHY UQ FOR YOUR POSTGRADUATE STUDY IN SCIENCE?

Accelerate your career in science by taking advantage of UQ's reputable programs and position as a global leader.

The University of Queensland is recognised as a powerhouse for some of the world's leading scientists, teachers, science programs and commercial outcomes.

Choose a postgraduate program at UQ to upgrade your current qualifications, gain a competitive employment advantage, enhance your promotion potential or open the way for a career change.

World-class teachers

At UQ, you work alongside some of the world's top scientists and learn from award-winning teaching staff, the majority of whom have experience working in a wide range of world-class institutions – bringing a vibrant, internationally-orientated research culture to UQ and providing numerous opportunities for you to bolster your career.

High-quality education

Ranked in the top 50 in the world overall (QS World University Rankings, 2015-2016), UQ has a reputation for producing high-

quality graduates. With one of the widest ranges of science specialisations in Australia, UQ provides you with specialist skills and industry advantages in your chosen field.

UQ's interdisciplinary approach

Science at UQ unites the disciplines of agriculture and animals, biomedical and biological sciences, chemistry, earth sciences, food sciences, geography, marine science, maths and physics, planning, the environment and veterinary science. As part of an interdisciplinary faculty, you will gain skills that will provide you with a competitive advantage for future employment.

Cutting-edge facilities

Studying at UQ means you'll have access to some of the best facilities in the country:

- With the most modern veterinary science facilities in the southern hemisphere, UQ is Australia's most comprehensive animal research and teaching centre.

- Home to Australia's most extensive marine science teaching and research facilities, UQ has research stations at Heron Island and Moreton Bay.
- Over 1800 teaching and research labs, more than any other Australian university.

Get practical with professional placements or learn in the field

Take what you have learnt to the Great Barrier Reef, Lamington National Park, outback Australia or even international destinations, as part of field trips in selected postgraduate science courses designed to build your knowledge and practical skills. You'll have the opportunity to interact with science research teams, tour active research laboratories and get involved in research group placements. Some programs also offer industry experience components to link you to industry leaders and innovation.



Postgraduate Coursework Programs in

AGRIBUSINESS

UQ is ranked #15
in the world (#2 in Australia)
in Agriculture.
*(QS World University Rankings
by Subject 2015)*

Rapid population growth and rising affluence is driving demand for high quality food and clothing. Forward-thinking agribusiness graduates are required to keep supply chains working profitably and sustainably, while being socially responsible.



For full program details visit
future-students.uq.edu.au

Commencing:
Semester 1 or Semester 2

Location:
Gatton

Delivery Mode:
Internal, External

AQF Level:
Grad Cert - AQF Level 8
Master - AQF Level 9

Did you know that the Australian agriculture is worth \$208 billion dollars to the economy, and feeds an additional 60 million people world-wide in exports?

These programs will help you will build upon your existing knowledge of the food and fibre industries and develop a deep understanding of modern agribusiness practices, emerging technologies, business communication techniques and the latest sustainability practices.

You will explore all aspects of the supply chain to confidently work with both small and large scale producers, processors, transporters, financial institutions and domestic and international retailers to deliver high-quality and affordable products to the world.

You will also learn to research, analyse and apply information to the latest agribusiness problems and opportunities.

Additionally, through the selection of electives in entrepreneurship, corporate governance, finance and carbon and energy management, you could position yourself as a future business leader.

Career opportunities

Many of our graduates gain employment prior to graduation, and possess a skills-set which is transferable across the agricultural industries globally.

These Agribusiness postgraduate programs will assist those professionals currently working in agribusiness to upgrade their management skills, those wishing to redirect their careers into agribusiness, and new graduates in business or agricultural related sciences wishing to enhance their future employability.

Supervisory-level employment opportunities currently exist within the following areas:

- Agribusiness research
- Banking, finance, investment and insurance
- Commodity trading, sales and marketing
- E-Commerce
- Export marketing and management
- Policy development and analysis in agricultural and regional agencies
- Property management
- Roles within government departments in Australia and abroad
- Regional or rural tourism
- Supply chain management

Program structure

Graduate Certificate in Agribusiness

- 8 units (0.5 year full-time or part-time equivalent)

Master of Agribusiness

- 24 units (1.5 years full-time or part-time equivalent)
- 32 units (2 years full time or part-time equivalent)

Sample courses

- Agribusiness Value Chain Management
- Agribusiness Marketing
- Agribusiness Planning and Management
- Agrifood Strategies and Competitiveness
- Agribusiness Project Appraisal
- Commodities, Futures and Options
- Global Challenges in Agriculture
- Leadership in Rural Industries and Communities

Entry requirements

Graduate Certificate in Agribusiness

Program Code 5007
CRICOS Code: 030134D
Bachelor degree in any field or have completed post-secondary study or work experience in a relevant area and satisfy the Executive Dean of suitable qualification for admission.

Master of Agribusiness (#24)

Program code 5155
CRICOS Code: 030142D
Bachelor degree in agricultural science, animal science, plant science (botany, horticulture or agronomy), business, marketing, or an approved discipline.

Master of Agribusiness (#32)

Program code 5562
CRICOS Code: 079391E
Bachelor degree in any field or Graduate Certificate in Agribusiness.

International Students: English Proficiency

IELTS overall 6.5; reading 6; writing 6; speaking 6; listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.



ESTHER NZOMO
Agribusiness graduate

Master of Agribusiness graduate Esther Nzomo is promoting commercialisation of the banana value chain in Kenya.

"Being from overseas I needed to undertake research on something that will be relevant to my home country.

I found my supervisor who was one of the lecturers at UQ and it is through her I was able to get a connection with one of the projects funded by the Australian government in my country.

UQ prepared me to do my work competently through the skills I obtained during my period of study, and most of what I learnt, I am applying in my current career."

Postgraduate Coursework Programs in

AGRICULTURAL SCIENCE

Unpredictable climates, degraded environments and growing populations pose food security challenges. A multidisciplinary approach is required by future agriculturalists, to produce more with less.

UQ is ranked #15
in the world (#2 in Australia)
in Agriculture.

(QS World University Rankings
by Subject 2015)



For full program details visit
future-students.uq.edu.au

Commencing:

Semester 1 or Semester 2

Location:

Gatton

Delivery Mode:

Internal, External

AQF Level:

Grad Cert - AQF Level 8

Master - AQF Level 9

Increasingly, scientists are solving the demand for sustainable food and fibre production. If population growth continues, we will see a doubling of the world's people to 11 billion by the middle of the 21st century. Postgraduate programs in agricultural science will prepare future leaders and entrepreneurs to meet these challenges.

Specialise in one of three fields of study where you will be exposed to the latest advances in agricultural science such as precision agriculture techniques, genetic technologies and sustainable resource management.

Fields of study:

- Agronomy
- Horticulture
- Plant Protection

Learn to apply your leadership, research and problem-solving skills to address biosecurity challenges, while ensuring productivity and meeting community expectations of the environment.

Career opportunities

Postgraduate study in Agricultural Science is recommended for graduates and professionals seeking to expand their career prospects into a wide range of government, commercial, community or research-based roles.

Agricultural Science offers exciting, and challenging careers. UQ graduates find employment in supervisory roles as:

- Agronomists and horticulturalists in companies and governments advising growers to ensure maximum profitability and sustainability
- Agricultural scientists in government, industry and international institutions
- Agricultural consultants and advisors for producers and companies
- Managers of agricultural enterprises, family and company-owned farms or agribusiness companies and rural industries
- Advisors in banks and other financial organisations to ensure rural industry investments are economically sound
- Animal scientists and dairy technologists
- Agricultural and resource economists
- Extension and inspection officers
- Land information systems officers
- Plant protection advisors or horticultural consultants
- Regulators of government policy to keep Australia free from pests and diseases
- Educators (after completing a Graduate Diploma of Education)

Program structure

Graduate Certificate in
Agricultural Science

- 8 units (0.5 year full-time or part-time equivalent)

Master of Agricultural Science

- 24 units (1.5 years full-time or part-time equivalent)
- 32 units (2 years full-time or part-time equivalent)

Sample courses

- Global Challenges in Agriculture
- Agricultural Research Methodologies
- Advanced Agronomy
- Reproduction & Breeding Technology
- Plant-Microbe & Insect Interactions
- Soil & Growth Media Management
- Concepts in Animal Science

Entry requirements

Graduate Certificate in
Agricultural Science

Program code 5561

CRICOS Code: 079376D

Bachelor degree in any field, with UQ or equivalent GPA of 4 or above on a 7 point scale; or 2 years of work experience in the same discipline.

Master of Agricultural Science (#24)

Program code 5563

CRICOS Code: 079380G

Bachelor degree in agricultural science, animal science, biological science, plant science (botany, horticulture or agronomy), veterinary science, wildlife biology, zoology or an approved discipline. UQ or equivalent GPA of 5 or above on a 7 point scale.

Master of Agricultural Science (#32)

Program code 5564

CRICOS Code: 079381G

Bachelor degree in any field or Graduate Certificate in Agricultural Science, with UQ GPA of 4.5 or above on a 7 point scale.

International Students: English Proficiency

IELTS overall 6.5; reading 6; writing 6; speaking 6; listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.



ANICET MURIRO
Agricultural Science student

Anicet Muriro, from Rwanda, believes enrolling to study the Master of Agricultural Science at UQ was the "right choice" for his future career.

"Apart from being one of the most highly ranked universities in agriculture in the world, UQ offers the best programs that I would recommend to everyone who wishes to pursue their career in agriculture and food science.

I was impressed by university staff and their unlimited support; the lecturers and tutors are amazing and they try to make the course enjoyable and try to help you understand, especially those who are new and those with limited English language skills."

Postgraduate Coursework Programs in

ANIMAL SCIENCE

Highly-skilled animal science graduates are in demand and find satisfying and rewarding careers in large livestock enterprises, zoos, as well as international and Australian research institutions.

Gain comprehensive theoretical and practical knowledge by specialising in Equine Science, Production Animal Science or Wildlife Science.



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1 or Semester 2

Location:

Gatton

Delivery Mode:

Internal, External

AQF Level:

Grad Cert - AQF Level 8

Master - AQF Level 9

Extend your knowledge of the care and management of production animals, horses or wildlife through the programs' specialist fields.

Fields of Study:

- Equine Science
- Production Animal Science
- Wildlife Biology

You will cover the integrative disciplines within the animal, plant, soil, food and social sciences continuum, and the scientific theory and technological applications associated with animal welfare and husbandry, nutrition, reproduction and breeding technologies, biosecurity and rangeland ecology.

You will gain practical experience through field trips and industry linkages, and access world-class animal science facilities including the \$100 million veterinary science facilities, the Native Wildlife Teaching and Research Facility, and the Queensland Animal Science Precinct (formerly known as the Centre for Advanced Animal Science).

Career opportunities

Depending on the field of specialisation, many of our graduates find supervisory, consulting or management roles as:

- Livestock adviser or consultant
- Animal nutritionist
- Animal research scientist
- Biosecurity or customs officer
- Equine nutritionist
- Equine physical therapist
- Government livestock extension officer
- Livestock enterprise manager
- National parks officer
- Park ranger
- Wildlife ecologist or scientist
- Zoo keeper
- Zoologist

Program structure

Graduate Certificate in Animal Science

- 8 units (0.5 year full-time or part-time equivalent)

Master of Animal Science

- 24 units (1.5 years full-time or part-time equivalent)
- 32 units (2 years full-time or part-time equivalent)

Sample courses

- Equine Exercise Physiology and Rehabilitation
- Concepts in Animal Science
- Animal Nutritional Science
- Reproduction & Breeding Technology
- Wildlife Husbandry and Utilisation
- Environment & Community
- Effective Stakeholder Engagement

Entry requirements

Graduate Certificate in Animal Science

Program code 5565

CRICOS Code: 079377C

Bachelor degree in any field, with UQ GPA of 4 or above on a 7 point scale; or 2 years of work experience in the same discipline.

Master of Animal Science (#24)

Program code 5570

CRICOS Code: 079382F

Bachelor degree in agricultural science, biological science, plant science

(botany, horticulture or agronomy), equine science, animal science (behavior, production, technology), wildlife science, wildlife management, veterinary science, veterinary technology, zoology or an approved discipline. UQ GPA of 5 or above on a 7 point scale.

Master of Animal Science (#32)

Program code 5571

CRICOS Code: 079383E

Bachelor degree in any field or Graduate Certificate in Animal Science, with UQ GPA of 4.5 or above on a 7 point scale.

International Students: English Proficiency

IELTS overall 6.5; reading 6; writing 6; speaking 6; listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.



YUN-LING TSAI
Animal studies graduate

"UQ is a great university which can open a door to your new life. UQ offers practical field work experience and provides a strong academic background covering both wildlife and farm animals.

The wildlife teaching facilities are fantastic at the Gatton campus and if you are an equine person you will really like equine facilities at this campus. There are similar facilities for other animals such as chickens, goats and cows, which offer extensive hands on practice for students who require field experiences.

For students from my country Taiwan, UQ is a good choice because of the multicultural opportunities at UQ, students can not only connect with Australian culture, but with the other cultures of their peers."

Postgraduate Coursework Programs in

BIOINFORMATICS

UQ bioinformatics graduates are in high demand for their strong foundation in science and practical interdisciplinary skills in computing, mathematics and biology.

With a worldwide shortage of bioinformaticians, the career opportunities for skilled bioinformatics graduates are extensive. At UQ, you can learn how bioinformatics is changing the way we interpret scientific data and make scientific discoveries.



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1

Grad Cert; Master (#24);
Master (Research Extensive - #32)

Semester 2

Master (#16);
Master (Research Extensive - #24)

Location:

St Lucia

Delivery Mode:

Internal

AQF Level:

Grad Cert - AQF Level 8

Master - AQF Level 9

Study bioinformatics and you will apply the power of computing and mathematics to molecular biology.

By taking core courses in bioinformatics, you will learn how to analyse genes, their molecular products and model the systems they make.

You will also compare genetic material between species, monitor the expression of molecules in different cells and discover abnormalities that cause disease.

Postgraduate bioinformatics students learn the latest techniques for exploiting the Next Generation Sequencing technologies that now dominate clinical and life science research.

You will be offered opportunities to solve real problems in genomics, proteomics, structural and systems biology, learn about using high-performance computers and dealing with vast data sets.

These opportunities are available in research laboratories at UQ, under the supervision of leading experts in bioinformatics and in a wide range of applied disciplines e.g. neuroscience, medicine and agriculture. Choose UQ's bioinformatics postgraduate programs to increase your technical and research skills in core areas of bioinformatics and update your knowledge of recent technologies and

methodologies. The programs will prepare you to take on key roles when personal genomics rolls out to clinics.

Career opportunities

Postgraduate study in bioinformatics will prepare you for a highly rewarding career in an industry that's shaping the future of modern science.

As bioinformatics is a new and growing area, there is a world shortage of trained bioinformaticians and computational biologists. You can find employment in pharmaceutical and biotechnology companies, research organisations and governments in roles such as:

- Bioinformatician
- Biomedical computer scientist
- Biostatistician
- Clinical data manager
- Geneticist
- Medical writer/technical writer
- Research scientist
- Software/database programmer

Program structure

Graduate Certificate in Bioinformatics

- 8 units (0.5 year full-time or part-time equivalent)

Master of Bioinformatics

- 16 units (1 year full-time or part-time equivalent)
- 24 units (1.5 years full-time)

Master of Bioinformatics Research Extensive

- 24 units (1.5 years full-time or part-time equivalent)
- 32 units (2 years full-time or part-time equivalent)

Sample courses

- Advanced Bioinformatics
- Advanced Genome Informatics
- Algorithms & Data Structures
- Concepts in Bioinformatics
- Data Mining

Entry requirements

Graduate Certificate in Bioinformatics

Program code 5557
CRICOS Code: 077533A
Bachelor degree in Science, IT and fields of Engineering or an approved discipline, with UQ or equivalent GPA of 4.5 or above on a 7 point scale; or 5 years of work experience in the same discipline.

Master of Bioinformatics (#16)

Program code 5541
CRICOS Code: 076218J
An approved equivalent Bachelor degree (Honours) in Science, IT and fields of Engineering, or a relevant field, incorporating a major research project or other significant research experience, with introductions to molecular biology, computer science and statistics. UQ or equivalent GPA of 5 or above on a 7 point scale.

Master of Bioinformatics (#24)

Program code 5542
CRICOS Code: 076217K
An approved equivalent Bachelor degree in Science, IT and fields of Engineering, with an introduction in one or more subjects relevant to the study of bioinformatics, including molecular biology, computer science and statistics. UQ or equivalent GPA of 5 or above on a 7 point scale.

Master of Bioinformatics Research Extensive (#24)

Program code 5628
CRICOS Code: 085554G
An approved equivalent Bachelor degree (Honours) in Science, IT and fields of Engineering, or approved relevant discipline, incorporating a major research project or other significant research experience, with introductions to molecular biology, computer science and statistics. UQ or equivalent GPA of 5 or above on a 7 point scale.

Master of Bioinformatics Research Extensive (#32)

Program code 5598
CRICOS Code: 082610F
An approved equivalent Bachelor degree in Science, IT and relevant fields of Engineering or other relevant discipline, with an introduction in one or more subjects relevant to the study of bioinformatics; or a Graduate Certificate or Graduate Diploma in Bioinformatics. UQ or equivalent GPA of 5 or above on a 7 point scale.



LIAM MCINTYRE
Bioinformatics graduate

"The Master of Bioinformatics allowed me to combine my knowledge of genetics with a skill set that makes me employable anywhere in the world. The massive amount of data now available means that all biologists do some bioinformatics and I wanted to be a good at it. I chose to study bioinformatics at UQ because it has great teachers, great resources and a great international reputation. This qualification has ensured that I can find employment now while also leaving open the option to pursue an academic career later on. During my studies I learnt to code and to work with large data sets. Many of the skills I acquired are directly applicable to my current position working with Next Generation Sequencing diagnostics."

International Students: English Proficiency
IELTS overall 6.5; reading 6; writing 6; speaking 6; listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.

Postgraduate Coursework Programs in

BIOTECHNOLOGY

Biotechnology - the technology that uses scientific knowledge about living things to make products or to solve problems - is a fast-expanding industry with a tremendous demand for experienced people at research, management, and regulatory levels.

The UQ Master of Biotechnology program is accredited by the US Council of Graduate Schools (Washington DC) as a Professional Science Master's Program.



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1 or Semester 2

Location:

St Lucia

Delivery Mode:

Internal

AQF Level:

Grad Cert - AQF Level 8

Grad Dip - AQF Level 8

Master - AQF Level 9

Research and development managers need savvy scientists with core technical skills, knowledge of commercial imperatives and current regulatory environments.

Choose postgraduate study in biotechnology to update your scientific technical skills and knowledge in core areas such as molecular biology, intellectual property management and quality systems management, and to acquire research laboratory experience.

The programs are also suitable if you are a legal or business professional with some scientific background and want to learn about the latest technological developments.

You will develop skills in research methodology, as well as training in the special requirements to undertake research in the biotechnology industry and the opportunity to undertake a biotechnology research project.

Career opportunities

Postgraduate study in biotechnology will enhance your career opportunities in a variety of industry, research and service sectors, including health, agriculture, diagnostics, the environment, intellectual property management, and technology commercialisation. You can pursue a career in areas such as:

- Agriculture – including plant breeding and engineering

- Nanotechnology and biosensor applications
- Diagnostic companies – including diagnostic test design, development and production
- Government agencies as a technology I.P. analyst or commercialisation specialist
- Legal and consulting companies as a business plan analyst
- Pharmaceutical companies – including drug design and development, or pharmaceutical production
- Venture capital companies

Program structure

Graduate Certificate in Biotechnology

- 8 units (0.5 year full-time or part-time equivalent)

Graduate Diploma in Biotechnology

- 16 units (1 year full-time or part-time equivalent)

Master of Biotechnology

- 16 units (1 year full-time or part-time equivalent)
- 24 units (1.5 years full-time)
- 32 units (2 years full-time)

Master of Biotechnology Research Extensive

- 24 units (1.5 years full-time)
- 32 units (2 years full-time)

Sample courses

- Emerging Biotechnologies
- Issues in Biotechnology
- Quality Management Systems in Biotechnology

- Introduction to the Molecular Biology Laboratory
- Biologics
- Drug Discovery and Development
- Immunology and Infectious Diseases

Entry requirements

Graduate Certificate in Biotechnology

Program code 5013

CRICOS Code: 034026J

Bachelor degree in any field, with UQ or equivalent GPA of 4.5 or above on a 7 point scale; or 2 years of work experience in the same discipline.

Graduate Diploma in Biotechnology

Program code 5119

CRICOS Code: 034052G

Bachelor degree in any field or Graduate Certificate in Biotech, with UQ or equivalent GPA of 4.5 or above on a 7 point scale.

Master of Biotechnology (#16)

Program code 5386

CRICOS Code: 057055C

An approved equivalent Bachelor degree (Honours) in Biotechnology, Science, Bioinformatics, Pharmacy or Engineering; or a Bachelor degree in a relevant field incorporating a major research project; or with an additional postgraduate qualification incorporating a major research project; or other significant research experience. UQ or equivalent GPA of 5 or above on a 7 point scale.

Master of Biotechnology (#24)

Program code 5159

CRICOS Code: 034034J

An approved equivalent Bachelor degree in Biotechnology, Science, Bioinformatics, Pharmacy, Agriculture, Medicine or Engineering, with UQ or equivalent GPA of 5 or above on a 7 point scale; or Graduate Certificate or Graduate Diploma in Biotechnology

Master of Biotechnology (#32)

Program code 5599

CRICOS Code: 082611E

Bachelor degree in any field, with UQ or equivalent GPA of 5 or above on a 7 point scale.

Master of Biotechnology Research Extensive (#24)

Program code 5626

CRICOS Code: 085549D

An approved equivalent Bachelor degree (Honours) in Biotechnology, Science, Bioinformatics, Pharmacy, Engineering; or a Bachelor degree in a relevant field incorporating a major research project; or with an additional postgraduate qualification incorporating a major research project or other significant research experience. UQ or equivalent GPA of 5 or above on a 7 point scale.

Master of Biotechnology Research Extensive (#32)

Program code 5627

CRICOS Code: 085552J

An approved equivalent Bachelor degree



MAANY RAMANAN
Biotechnology graduate

"Since I was from India where the educational system was completely different, I found the lectures and the assignments initially daunting. I approached some of my professors and they offered to help me out with understanding the system better.

It didn't take me more than a couple of weeks to get used to it. The research opportunities have a wider spectrum at UQ with so many different areas to choose from. I realised that UQ values innovation and students get to experiment and innovate, which attracted me."

in Biotechnology, Science, Bioinformatics, Pharmacy, Agriculture, Medicine or Engineering, with UQ or equivalent GPA of 5 or above on a 7 point scale.

International Students: English Proficiency
IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.

Postgraduate Coursework Programs in

CONSERVATION

The Master of Conservation Biology and Master of Conservation Science programs at UQ are ideal to expand your career prospects into a wide range of government, conservation and resource management agencies.

Kick-start your career in conservation by getting hands-on skills through fieldwork trips and industry engagement.



For full program details visit future-students.uq.edu.au

Commencing:
Semester 2

Location:
St Lucia

Delivery Mode:
Internal

AQF Level:
AQF Level 9

Conservation science attempts to secure the world's biological diversity by combining social science, law, environmental philosophy, economics and scientific reason. It is a 'discipline with a deadline', working against accelerating extinctions to sustain the well-being of human society.

Conservation professionals work in the field and office, in government, universities, non-profit organisations and industry, to preserve life and what it can offer to future generations. A comprehensive understanding of conservation science and knowledge of the fast-changing paradigms of conservation practice is essential.

These programs are taught by world leaders in their field who will provide you with the diverse set of skills and experiences essential for a modern conservation professional. This will allow you to further your career opportunities in this vital discipline.

The programs cover the integrative disciplines of conservation, ecology and biodiversity and focus on the problems of restoring and maintaining viable populations of animal and plant species, and natural and managed ecosystems.

You will be equipped with a comprehensive theoretical understanding of conservation

biology, as well as the required practical training and skills obtained through trips to some of Australia's most unique field sites. You will gain a comprehensive education in conservation, from law and environmental philosophy to field courses and studies in cutting edge conservation decision-making.

You also will complete over a month of field work at sites in the outback, on the Great Barrier Reef and in a variety of rainforest habitats. Streamlined delivery allows you to complete your program in an accelerated timeframe. You will develop superior skills in data analysis using the R statistical package and cutting-edge conservation decision-making software.

Industry engagement is built into your program. You will meet and be taught by leading industry professionals.

Your courses are taught by highly regarded academics who are world leaders in their fields. Your cohort will have a dedicated academic director, support staff and study space in the School of Biological Sciences.

Career opportunities

As a conservation science graduate, you will have the skills and knowledge to work in managerial, educational, research and consultancy roles in government and private sectors.

Your skills can be applied to a variety of sectors including:

- National parks and wildlife conservation
- Natural resource management
- Policy development
- Government and commercial agencies
- Mining industry
- Education
- Research

These programs also provide pathways to undertake doctoral studies in biological sciences.

Program structure

Master of Conservation Science (#32)

- 32 units (1.5 years full-time or part-time equivalent)

Master of Conservation Biology (#24)

- 24 units (1 year full-time or part-time equivalent)

Sample courses

- Conservation in Context
- Conservation & Wildlife Biology
- Sampling Design & Analysis in Conservation Science
- Environmental Philosophy
- International & National Conservation Policy
- Geographical Information Systems

- Marine Conservation
- Rainforest Conservation
- Conservation Concerns: An industry perspective
- Applied Fauna Conservation
- Ecology and Management of Invasive Species
- Conservation Decision-Making

Entry requirements

Master of Conservation Science (#32)

Program code 5597

CRICOS Code: 082609K

Bachelor's degree in botany, ecology, evolution, zoology, or an approved discipline with a GPA of 5 on a 7 point scale.

Master of Conservation Biology (#24)

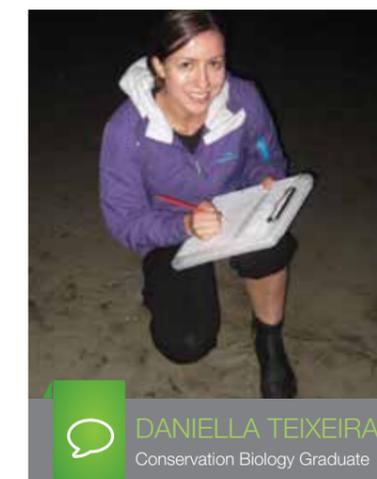
Program code 5551

CRICOS Code: 077443C

Bachelor degree in botany, ecology, evolution, zoology or an approved discipline, with UQ or equivalent GPA of 5 on a 7 point scale.

International Students: English Proficiency

IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.



DANIELLA TEIXEIRA
Conservation Biology Graduate

As a Fisheries Scientist with the Department of Agriculture and Fisheries, Daniella Teixeira enjoys knowing she is contributing to the long-term sustainability of our finite fisheries resources.

"I enjoy the creative challenge of finding novel solutions to fisheries problems and seeing my ideas implemented."

Daniella chose to study her Master of Conservation Biology at UQ because of the university's strong reputation and the course offered a strong balance of pure and applied sciences.

"No other program in Australia matches the breadth of this program. I can honestly say that getting my Masters qualification provided the right direction for my career."

Postgraduate Coursework Programs in

ENVIRONMENTAL MANAGEMENT

Environmental managers with a strong science background are highly sought after both in Australia and overseas, in private and government sectors, because they understand the importance of sustainability and the challenges faced by our environment globally.

UQ is ranked well above world standard in Environmental Science and Management.

(2015 Excellence in Research for Australia (ERA) assessment)



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1 or Semester 2

Location:

St Lucia

Delivery Mode:

Grad Cert/Grad Dip -
Internal, External
Master - Internal

AQF Level:

Grad Cert - AQF Level 8
Grad Dip - AQF Level 8
Master - AQF Level 9

The University of Queensland's postgraduate programs in environmental management are multidisciplinary and designed to enhance your environmental skills and technical expertise. You will learn from some of the leading environmental management experts in Australia and the world.

You will receive core skills in environmental management principles and approaches, problem-solving, and applied research.

You can elect to specialise in one of five fields of study:

- Conservation Biology
- Conservation & Natural Resource Management
- Environmental Management in Mining
- Resource & Environmental Economics
- Sustainable Development

You will graduate with the skills to address the many issues in the highly complex and changing area of environmental management.

Approximately 150 students, including many international students, enrol in the programs each year, creating a diverse and vibrant student experience.

It is possible to complete the majors in Sustainable Development, Conservation & Natural Resource Management and Environmental Management in Mining entirely as an external student (although the number of subjects and fields of study available are reduced).

Career opportunities

Environmental management graduates from UQ work in managerial, research, administrative and education roles within consultancies, mining companies, government departments, landcare and catchment management groups, national and international NGOs.

The skills you will develop in our programs can be applied to a variety of sectors including:

- National parks and wildlife conservation
- Environmental assessment and compliance
- Natural resource management including coastal, river and catchment systems
- Policy development
- Government and commercial consultancies dealing with environmental planning and management
- Mining industry
- Environmental tourism
- Environmental management
- Education and research

Program structure

Graduate Certificate in Environmental Management

- 8 units (0.5 year full-time)

Graduate Diploma in Environmental Management

- 16 units (1 year full-time)

Master of Environmental Management

- 24 units (1.5 years full-time)
- 32 units (2 years full-time)

The 32-unit Master of Environmental Management is ideal for students who are seeking a career change or have not previously studied a discipline related to environmental management as it covers core skills in addition to specialised topics.

Sample courses

- Environmental Management Principles and Approaches
- Resource Management & Environmental Planning
- Conservation & Wildlife Biology
- Natural Resource Management
- Environmental Management in Mining
- Ecological & Environmental Economics
- Foundations of Sustainable Development
- Global Challenges in Agriculture

Entry requirements

Graduate Certificate in Environmental Management

Program code 5025
CRICOS Code: 013832G
Bachelor degree in any field, with UQ GPA of 4 or above on a 7 point scale; or 2 years of work experience in the same discipline.

Graduate Diploma in Environmental Management

Program code 5084
CRICOS Code: 008458A
Bachelor degree in any field or Graduate Certificate in Environmental Management, with UQ or equivalent GPA of 4 or above on a 7 point scale.

Master of Environmental Management (#24)

Program code 5174
CRICOS Code: 006689B
Bachelor degree in environmental studies; geography; natural resources; biology; ecology; conservation; sustainable development; environmental engineering; marine science; or an approved discipline. UQ or equivalent GPA of 4.5 or above on a 7 point scale.

Master of Environmental Management (#32)

Program code 5609
CRICOS Code: 084722D
Bachelor degree in any field or Graduate Certificate or Graduate Diploma in Environmental Management, with UQ or equivalent GPA of 4.5 or above on a 7 point scale.



SOPHIE CLAY
Environmental Management graduate

Coming from Britain, Sophie was drawn to complete her Master of Environmental Management in Brisbane, as she believed the reputation of UQ and the quality of the degree was world-class.

"During my program I found the lecturers holding roles in global organisations to be the most beneficial aspects of my program. Their ability to draw links between theoretical concepts and real situations enabled me to place what I was learning in context."

Sophie also believes that the endless opportunities on offer during her time at UQ really set the stage for her career.

International Students: English Proficiency
IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.

Postgraduate Coursework Programs in

FINANCIAL MATHEMATICS

With capital markets and financial risk management becoming more quantitatively and computationally sophisticated, Financial Mathematics graduates are highly sought after for their skills.

Developed to meet industry demand for skilled practitioners in this rapidly developing field, this program gives you the specialised skills to gain a competitive advantage in your career.



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1 or Semester 2

Location:

St Lucia

Delivery Mode:

Internal

AQF Level:

AQF Level 9

The University of Queensland's masters programs in Financial Mathematics have been designed to meet industry demand for skilled practitioners.

The programs are tailored to build upon your background in mathematics, commerce or economics/econometrics, while developing essential skills in quantitative and computational analysis, mathematical modelling and stochastic processes.

You will graduate with a thorough understanding of the financial mathematics field and the skills for managing investment portfolios, developing financial products and pricing, and analysing business risk.

The programs will prepare you for a career in banking, insurance, investment, utilities and mining, and in an increasingly broad range of industries in which aspects of contemporary financial markets – such as

international exchange rates, futures contracts and options – play a significant role. Equip yourself for a rewarding career in the financial industry, or for entry into a higher research degree in financial mathematics.

Career opportunities

As a Financial Mathematics graduate, your career opportunities include:

- Investment banking
- Retail banking
- Insurance and actuarial
- Risk management in the electricity and mining sectors
- Funds management

Program structure

Master of Financial Mathematics

- 24 units (1.5 years full-time or part-time equivalent)
- 32 units (2 years full-time or part-time equivalent)

Sample courses

- Numerical Methods in Computational Science
- Financial Risk Management
- Financial Mathematics
- Operations Research and Mathematical Planning
- Applied Mathematical Analysis
- Foundations in Macroeconomics

Entry requirements

Master of Financial Mathematics (#24)

Program code 5572

CRICOS Code: 079388M

Bachelor of mathematics or a bachelor degree majoring mathematics, with UQ or equivalent GPA of 5.5 or above on a 7 point scale.

Master of Financial Mathematics (#32)

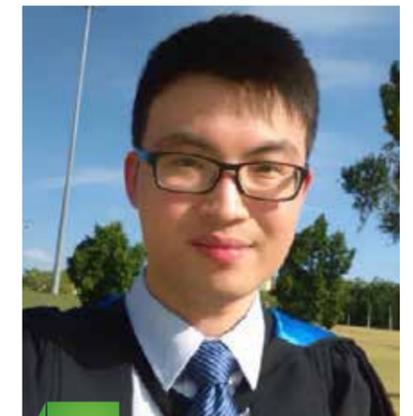
Program code 5573

CRICOS Code: 079389K

Bachelor degree with first year university level mathematics (including single-variable and multi-variable calculus, ordinary differential equations and linear algebra). UQ or equivalent GPA of 5.5 or above on a 7 point scale.

International Students: English Proficiency

IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.



YANPEI WENG
Financial Mathematics graduate

"Employees who can integrate mathematics and finance are in demand in the financial industry. I chose to study the Master of Financial Mathematics at The University of Queensland for its practical, comprehensive and flexible curriculum, as well as UQ's global reputation and rankings both in mathematics and finance.

As part of my amazing educational and social experience, I was instructed by talented professors, who increased my knowledge in quantitative finance. This knowledge was valued by employers and helped me to find employment with a top insurance company in China. The mathematical thinking, modeling and computational skills I developed during the program are essential in my current role."

Postgraduate Coursework Programs in

FOOD SCIENCE AND TECHNOLOGY

Be part of a growing global food processing and production industry, and discover how you can improve the taste, quality, appearance, nutritional value and safety of food.

UQ is ranked above world standard in Food Sciences.

(2015 Excellence in Research for Australia (ERA) assessment)



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1 or Semester 2

Location:

St Lucia

Delivery Mode:

Internal

AQF Level:

Grad Cert - AQF Level 8

Master - AQF Level 9

Postgraduate study in Food Science and Technology at the The University of Queensland will expand your career prospects into a wide range of government, commercial or research based supervisory roles. Build on your existing theoretical and practical knowledge, and develop expertise in a variety of different areas such as food chemical and microbiological testing, food safety systems, quality control, food structure and sensory analysis, food engineering and new product development.

In addition to the sciences, you will gain an understanding of the policies behind safe food production. A 13-week industry placement offered during your final year enables you to apply your theoretical skills to real scenarios in food processing companies.

As a Food Science and Technology graduate, you will use your leadership, analytical and problem-solving skills to respond to global consumer demand for quality, safe and nutritious food products. The programs will prepare you for innovative opportunities within all aspects of technical and scientific food manufacturing industries.

Key Australian food industry collaborators include:

- Dairy Innovation Australia Ltd
- Queensland Alliance for Agriculture and Food Innovation
- Queensland Department of Science, Information Technology and Innovation
- Queensland Department of Agriculture and Fisheries

- Horticulture Australia Ltd
- Australian Food and Grocery Council
- Universities and industry research corporations

International collaborators include organisations in Argentina, Vietnam, Singapore, USA, China, India, Switzerland, Germany, Pakistan, Canada, The Philippines and New Zealand.

Specialised research centres such as the Centre for Nutrition and Food Sciences (CNAFS) integrate applied and fundamental research in the physical, chemical and biological properties of food to enhance health outcomes and economic benefits globally.

Career opportunities

By completing postgraduate study in Food Science and Technology, you could gain employment in supervisory or managerial roles as a:

- Food technologist
- Food chemist
- Food microbiologist
- Laboratory supervisor
- Production manager
- Process and product development manager
- Quality control manager

Program structure

Graduate Certificate in Food Science and Technology

- 8 units (0.5 year full-time or part-time equivalent)

Master of Food Science and Technology

- 24 units (1.5 years full-time or part-time equivalent)
- 32 units (2 years full-time or part-time equivalent)

Sample courses

Through a combination of scientific theory and practical application, you will heighten your problem-solving and project management skills to enhance your employability in the global food processing and production industry.

For instance, to increase your fundamental scientific knowledge of food and the effects of processing, you can study a combination of courses such as Food Microbiology, Food Chemistry and Analysis, Food Safety and Quality Management, and Food Processing Technology. Additionally, enhance your research skills and expand your thinking by studying courses such as Agricultural Research Methodologies and Global Challenges in Agriculture. Each individual course will provide an important contribution to your development as a food industry professional.

Study areas include:

- Food Microbiology
- Agricultural Research Methodologies
- Food Chemistry and Analysis
- Food Processing Technology
- Nutrition and Health
- Food Safety and Quality Management
- Global Challenges in Agriculture

Entry requirements

Graduate Certificate in Food Science and Technology

Program code 5566

CRICOS Code: 079378B

Bachelor degree in any field, with a tertiary level background in chemistry or biochemistry and biology or microbiology, with UQ GPA of 5 or above on a 7 point scale; or 2 years of work experience in the same discipline.

Master of Food Science and Technology (#24)

Program code 5575

CRICOS Code: 079384D

Bachelor degree in food science, food technology, science or engineering (in food science or technology) or an approved discipline. UQ GPA of 5 or above on a 7 point scale.

Master of Food Science and Technology (#32)

Program code 5576

CRICOS Code: 079385C)

Bachelor degree in any field, with a tertiary level background in chemistry or biochemistry or biology or microbiology; or a Graduate Certificate in Food Science Technology. UQ GPA of 5 or above on a 7 point scale.



YUSVITA PRATIWI
Food Science and Technology graduate

Yusvita Pratiwi, from Indonesia, was proud to study her Master of Food Science and Technology at UQ due to its excellent reputation in science and has realised her passion for food science and her desire to pursue a career in the food industry.

"UQ exposed me to the current and future trends of the food industry and has taught me the practices that are currently used in the industry.

The field trips have also been very insightful as they provide a clear and practical picture of what was taught in class and the ways to implement the knowledge I have gained."

International Students: English Proficiency

IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.

Postgraduate Coursework Programs in

GEOGRAPHIC INFORMATION SCIENCE

Everything happens somewhere. Geographic information, or information matched to a location, and its analysis, provides the geographical context to problems and informs decision-making across commercial, agricultural, government and community sectors.

You will have access to state-of-the-art equipment, technology and labs. Master of Geographic Information Science graduates may be eligible for membership with the Spatial Sciences Institute.



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1

Grad Cert; Grad Dip;
Master (#24)

Semester 1 or Semester 2

Master (#32)

Location:

St Lucia

Delivery Mode:

Grad Cert - Internal, External

Grad Dip - Internal

Master - Internal

AQF Level:

Grad Cert - AQF Level 8

Grad Dip - AQF Level 8

Master - AQF Level 9

Geographic Information Science (GIS) uses a range of methods and technologies to collect, store, analyse, visualise and distribute geographic or location enabled data to study both natural processes and the interaction of humans with their environment. There is a significant increase in the demand for graduates with advanced analytic, computing, technical and research skills in this area.

The University of Queensland's postgraduate programs will give you high-quality technical and research skills in core areas of geographic information science, including GIS, remote sensing and spatial analysis.

You will graduate with a thorough understanding and practical experience in basic and advanced computing skills in spatial data collection, analysis and visualisation techniques and the implementation and management of GIS projects.

You will also develop skills in applying GIS and remote sensing technologies, resource identification through remote sensing image analysis, expert systems and decision support systems and research in the field of geographic information science.

UQ graduates are job-ready, with skills that extend across a number of disciplines and professions including ecology, mineral and oil exploration, health,

urban and regional planning, mathematics, cartography, surveying, geography and environmental science.

Career opportunities

Skills in GIS can be applied to a range of industries and discipline areas including:

- Traditional disciplines for planning, built environment, environment and resource management as well as emerging areas in IT
- Local, state and Federal governments to maintain land information for their own purposes and for public uses
- Agencies such as the military, police, emergency services, and utilities to increase efficiency in the provision of their services
- Private industry and consultancies who provide services to the growing spatial information industry
- Companies involved in spatial data collection and remote sensing
- IT companies who develop geographical database and specialised geospatial software
- Scientific and research institutions who use geographical information as foundation for their work and spatial data analysis for discovery

Program structure

Graduate Certificate in Geographic Information Science

- 8 units (0.5 year full-time or part-time equivalent)
- Also available online for external students

Graduate Diploma in Geographic Information Science

- 16 units (1 year full-time or part-time equivalent)

Master of Geographic Information Science (#24)

- 24 units (1.5 years full-time or part-time equivalent)
- 32 units (2 years full-time or part-time equivalent)

Sample courses

- Remote Sensing of Environment
- Advanced Remote Sensing of Environment
- Advanced Geographical Information Systems
- Geospatial Processing and Web Mapping
- Geographical Information Systems
- Tools for Environmental Assessment and Analysis
- Relational Database Systems

Entry requirements

Graduate Certificate in Geographic Information Science

Program code 5028

CRICOS Code: 011168G

Bachelor degree in any field, with UQ or equivalent GPA of 4 or above on a 7 point scale; or 2 years of work experience in the same discipline.

Graduate Diploma in Geographic Information Science

Program code 5086

CRICOS Code: 003854G

Bachelor degree in any field or Graduate Certificate in Geographic Information Science, with UQ or equivalent GPA of 4 or above on a 7 point scale.

Master of Geographic Information Science (#24)

Program code 5177

CRICOS Code: 003927F

Bachelor degree in science (mathematics, physics, computer science); environmental science; environmental management; geographical science; geology; surveying; geometrics; engineering; or an approved discipline. UQ or equivalent GPA of 4.5 or above on a 7 point scale.

Master of Geographic Information Science (#32)

Program code 5610

CRICOS Code: 084723C

Bachelor degree in any field or a Graduate Certificate or Graduate Diploma in Geographic Information Science, with UQ or equivalent GPA of 4.5 or above on a 7 point scale.

International Students: English Proficiency

IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.



RALF D. SCHROERS
GIS graduate

After graduating from a Master of Geographic Information Science (GIS) in 2006, Ralf worked for a number of high-profile organisations including other Queensland government science sections and CSIRO.

"I like to work on applying methods, combine analysis, data management and presentation as well as develop user friendly applications exploring and assessing data and produce visualisations. In the end it should help to manage our natural environment and improve livelihoods."

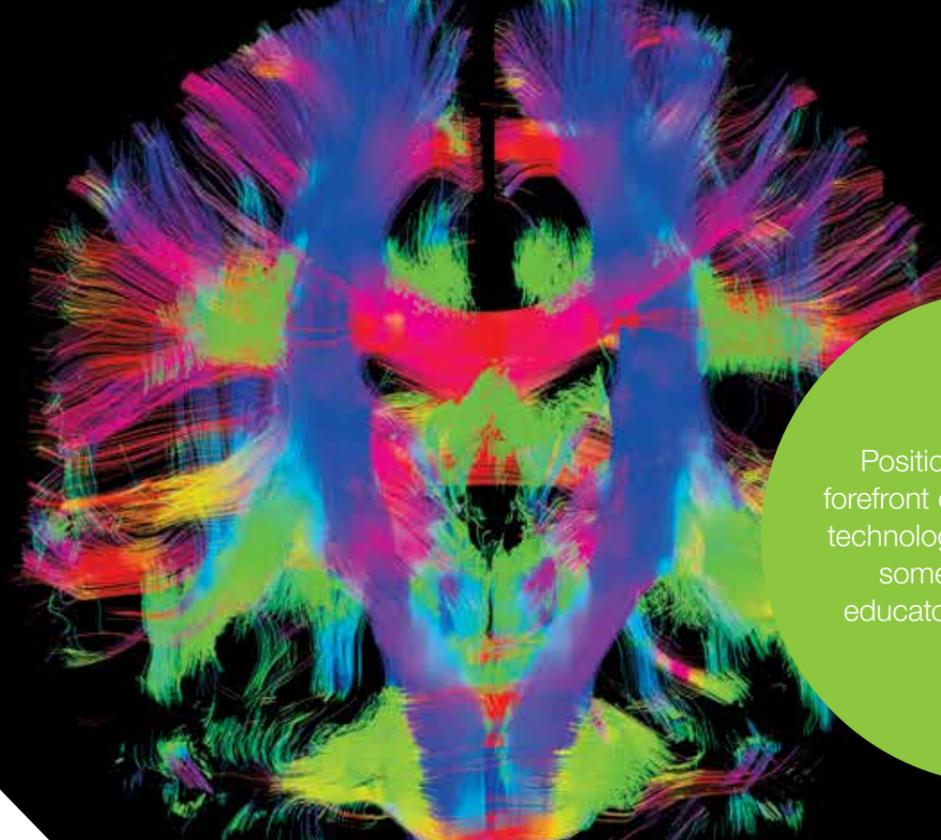
Ralf credits his studies at UQ with contributing to his success.

"The skills I obtained through my degree helped significantly. Sound theoretical background and practical work during my study helped me to be firm in developing concepts, methods and applications that are crucial for my daily work."

Postgraduate Coursework Programs in

MAGNETIC RESONANCE TECHNOLOGY

As one of the most powerful diagnostic tools for organs and tissues inside the body, Magnetic Resonance Imaging demands technicians with expert scientific and technical expertise.



Position yourself at the forefront of this cutting-edge technology by learning from some of the leading educators in the industry.



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1 or Semester 2

Location:

St Lucia

Delivery Mode:

Internal, External

AQF Level:

Grad Cert - AQF Level 8

Grad Dip - AQF Level 8

Master - AQF Level 9

Magnetic Resonance (commonly known as MRI or MR) uses cutting-edge magnetic technology to create high-definition, three dimensional pictures to examine disorders such as multiple sclerosis, brain tumours and the damage caused by stroke, as well as cancer, diseases of the musculoskeletal system and metabolic disorders, such as diabetes and obesity.

Our postgraduate programs will give you an in-depth understanding of magnetic resonance technology. You will learn the physics of magnetic resonance and image formation, the components of modern MRI scanners and develop specialist practical skills essential for a dynamic career in this field.

Choose the Masters program to access new techniques which are not yet part of standard clinical practice. You will be in a position to embark on projects that make innovative use of magnetic resonance such as assessing the needs of a radiography practice and the capability of equipment from various manufacturers to meet these needs. The program consists of core courses, electives and a research component.

You will learn from some of the leading educators in the industry who base course content and practical experience from the most recent developments in research and technology.

Career opportunities

There is currently a demand for MRI physicists, MR technologists, image processors, engineers, and biomedical engineers within Australia and internationally. Our graduates have found employment in leadership positions in hospitals, private practice and research facilities.

Program structure

Graduate Certificate in Magnetic Resonance Technology

- 8 units (1 year part-time; only available as part-time study)

Graduate Diploma in Magnetic Resonance Technology

- 16 units (1 year full-time or part-time equivalent)

Master of Magnetic Resonance Technology

- 24 units (1.5 years full-time or part-time equivalent)

Sample courses

- Functional Magnetic Resonance Imaging
- Magnetic Resonance Instrumentation
- Fast Imaging Techniques
- Fundamental MRI of the Brain and Spine
- Cardiac MRI - Techniques and Applications
- Vascular Imaging
- Medical Image Processing and Analysis

Entry requirements

Graduate Certificate in Magnetic Resonance Technology

Program code 5036

CRICOS Code: 034045F

Bachelor degree in mathematics; physics; chemistry; biology; medical imaging; medical radiation; radiography; allied health; biomedical engineering; computer science or an approved discipline; or 5 years of work experience in the same discipline.

Graduate Diploma in Magnetic Resonance Technology

Program code 5096

CRICOS Code: 034046E

Bachelor degree in mathematics; physics; chemistry; biology; medical imaging;

medical radiation; radiography; allied health; biomedical engineering; computer science or an approved discipline. Applications on the basis of post-secondary study and two years' work experience in a related field will be individually assessed.

Master of Magnetic Resonance Technology

Program code 5193

CRICOS Code: 034047D

Bachelor degree in mathematics; physics; chemistry; biology; medical imaging; medical radiation; radiography; allied health; biomedical engineering; computer science or an approved discipline. Applications on the basis of post-secondary study and two years' work experience in a related field will be individually assessed.

International Students: English Proficiency

IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>



MARK DENHAM
Magnetic Resonance Technology graduate

To progress in his career as a medical radiographer, Mark Denham undertook a Master of Magnetic Resonance Technology. He chose to do his Masters via remote electronic study through UQ's Centre for Advanced Imaging (CAI) because of the lecturers' broad backgrounds in radiography.

"I really wanted to broaden my education and was able to learn a lot from CAI's radiographers, clinicians, physicists, chemists and engineers.

The theoretical and practical knowledge gained has helped not just in the day-to-day running of an MRI unit, but also in selecting, purchasing and installing new systems."

Postgraduate Coursework Programs in

MINERAL RESOURCES

To ensure commercial viability, the minerals and petroleum industry recognises the need for resource exploration and development professionals to keep abreast of modern developments in science.

Expand your knowledge of emerging mineral and petroleum exploration technologies. Choose to specialise in Exploration Geology or Exploration Geophysics.



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1 or Semester 2

Location:

St Lucia

Delivery Mode:

Internal

AQF Level:

Grad Cert - AQF Level 8

Grad Dip - AQF Level 8

Master - AQF Level 9

Use these programs to expand your knowledge of emerging mineral and petroleum exploration technologies and how to increase efficiencies in the technical and scientific management of the mining industry.

Advance your knowledge in key specialist areas of the minerals industry, gain analytical skills to enable you to critically assess alternative solutions to complex industry problems and be equipped to investigate and resolve development and operational problems in a safe and commercially efficient manner.

Gain exposure to current scientific knowledge from research experts with an applied research background and explore a range of strategies for practical implementation from experienced industry associates. Specialise in Exploration Geology or Exploration Geophysics, and choose to study from either a broad stream within the scheduled subjects, or select from specialist geophysics or geochemistry streams.

Career opportunities

As an early career professional, use your enhanced scientific and technical knowledge to seek advancement or additional challenges in your current workplace, or to provide entry into the employment and career opportunities in the dynamic minerals sector.

On completion of these programs you may be eligible for membership with the following professional bodies:

- Australian Institute of Geoscientists
- Australian Society of Exploration Geophysicists
- Geological Society of Australia
- Society of Exploration Geophysicists

Program structure

Graduate Certificate in Mineral Resources

- 8 units (0.5 year full-time or part-time equivalent)

Graduate Diploma in Mineral Resources

- 16 units (1 year full-time or part-time equivalent)

Master of Mineral Resources

- 24 units (1.5 years full-time or part-time equivalent)

Sample courses

- Geophysical Signal Processing
- Exploration Seismology
- Ore Deposits & Exploration Geology
- Exploration Geochemistry
- Basin Analysis in Exploration
- Gravity & Magnetic Exploration
- Electrical & Electromagnetic Exploration
- Industrial Application of Exploration Geophysics

Entry requirements

Graduate Certificate in Mineral Resources

Program code 5041

CRICOS Code: 029215B

Bachelor degree in geological science, geological engineering or related field, with UQ or equivalent GPA of 4.5 or above; or 5 years of work experience in the same discipline.

Graduate Diploma in Mineral Resources

Program code 5097

CRICOS Code: 029188M

Bachelor degree in geological science, geological engineering or related field, or Graduate Certificate in Mineral Resources. UQ or equivalent GPA of 4.5 or above.

Master of Mineral Resources

Program code 5196

CRICOS Code: 029189K

Bachelor degree in geological science, geological engineering or related field, or Graduate Diploma in Mineral Resources. UQ or equivalent GPA of 5 or above.

International Students: English Proficiency

IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>



OLIVER TURNER
Master of Mineral Resources graduate

"I chose the Master of Mineral Resources because it contained both course-based learning and a research project which allowed me to solidify my geological knowledge and increase my understanding of the industry."

The University of Queensland's links to industry, fantastic lecturers and a rating placing it within the top 100 universities in the world made my decision easy. The Master of Mineral Resources has provided me with the knowledge and experience I felt I had been missing from my undergraduate degree, and I feel I can use it as an excellent basis on which to build my career."

Postgraduate Coursework Programs in

MOLECULAR BIOLOGY

Advances in molecular biology have transformed biological research and driven the extensive growth in the biotechnology industry. These rapid increases in molecular medicine and technology have created a high demand for skilled molecular biologists across the world.



UQ is ranked well above world standard in Biological Sciences.

(2015 Excellence in Research for Australia (ERA) assessment)



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1 or Semester 2

Location:

St Lucia

Delivery Mode:

Internal

AQF Level:

Grad Cert - AQF Level 8

Grad Dip - AQF Level 8

Master - AQF Level 9

Molecular biology studies the structure and function of genes and the proteins they encode, including genome sequencing, recombinant DNA technology and macromolecular structure determination.

Molecular biology is used to understand the interactions between the systems of a cell, including interactions between DNA, RNA and protein biosynthesis and how these interactions are regulated.

Our postgraduate programs will give you advanced theoretical and practical training in molecular biology through lectures, workshops, extended research projects and directed study.

You will also be trained in research methodology in molecular biology and have the opportunity to undertake a major individual research project. The molecular biology suite of programs is highly flexible to ensure that your previous study, experience, and interests are catered for.

Career opportunities

Career opportunities span a range of industries including:

- Biotechnology
- Food manufacturing and processing
- Pharmaceuticals
- Environment/government
- Pathology and hospital laboratories
- Research laboratories
- Research higher degree
- Science communication (journalism)

Program structure

Graduate Certificate in Molecular Biology

- 8 units (0.5 year full-time or part-time equivalent)

Graduate Diploma in Molecular Biology

- 16 units (1 year full-time or part-time equivalent)

Master of Molecular Biology

- 16 units (1 year full-time or part-time equivalent)
- 24 units (1.5 years full-time or part-time equivalent)
- 32 units (2 years full-time or part-time equivalent)

Master of Molecular Biology Research Extensive (#24)

- 24 units (1.5 years full-time or part-time equivalent)

Master of Molecular Biology Research Extensive (#32)

- 32 units (2 years full-time or part-time equivalent)

Sample courses

- Introduction to the Molecular Biology Laboratory
- Advanced Genomics and Bioinformatics
- Advanced Molecular Biology Laboratory
- Advanced Protein Technology
- Immunology and Infectious Diseases

Entry requirements

Graduate Certificate in Molecular Biology

Program code 5042

CRICOS Code: 034030B

Bachelor degree in any field, with UQ or equivalent GPA of 4.5 or above on a 7 point scale; or 2 years of work experience in the same discipline.

Graduate Diploma in Molecular Biology

Program code 5127

CRICOS Code: 034055D

Bachelor degree in any field or Graduate Certificate in Molecular Biology, with UQ or equivalent GPA of 4.5 or above on a 7 point scale.

Master of Molecular Biology (#16)

Program code 5388

CRICOS Code: 057054D

An approved equivalent Bachelor degree (Honours) in Genetics, Molecular Biology, Biochemistry, Biotechnology or Biological Chemistry; or an approved discipline plus a postgraduate qualification incorporating a major research project or other significant research experience. UQ or equivalent GPA of 5 or above on a 7 point scale.

Master of Molecular Biology (#24)

Program code 5197

CRICOS Code: 034037F

An approved equivalent Bachelor degree in Genetics, Molecular Biology, Biochemistry, Biotechnology, Biological Chemistry or an approved discipline. UQ or equivalent GPA of 5 or above on a 7 point scale.

Master of Molecular Biology (#32)

Program code 5600

CRICOS Code: 082612D

Bachelor degree in any field or a Graduate Certificate or Graduate Diploma in Molecular Biology, with UQ or equivalent GPA of 5 or above on a 7 point scale.

Master of Molecular Biology Research Extensive (#24)

Program code 5624

CRICOS Code: 085547F

An approved equivalent Bachelor degree (Honours) in Genetics, Molecular Biology, Biochemistry, Biotechnology or Biological Chemistry; or an approved discipline plus a postgraduate qualification incorporating a major research project or other significant research experience. UQ or equivalent GPA of 5 or above on a 7 point scale.

Master of Molecular Biology Research Extensive (#32)

Program code 5625

CRICOS Code: 085548E

An approved equivalent Bachelor degree in Genetics, Molecular Biology, Biochemistry, Biotechnology, Biological Chemistry or an approved discipline; or a Graduate Certificate or Graduate Diploma in Molecular Biology. UQ or equivalent GPA of 5 or above on a 7 point scale.



CHRIS WEIR
Molecular Biology graduate

Chris Weir had offers to study and had visited other top universities overseas, but chose UQ for his postgraduate coursework because of its reputation and its cultural diversity.

"I had offers to do graduate studies at Sydney, Melbourne and Monash Universities, but chose UQ partly because of the way my Master of Molecular Biology program was structured and because I could see that it would prepare me well if I wanted to pursue doctoral studies.

My program involved both advanced coursework and research. The equipment I used is better than many other places I have visited, and the staff are very professional, approachable and respectful of cultural, religious and gender diversity. I can honestly say that UQ's reputation in science is well-deserved."

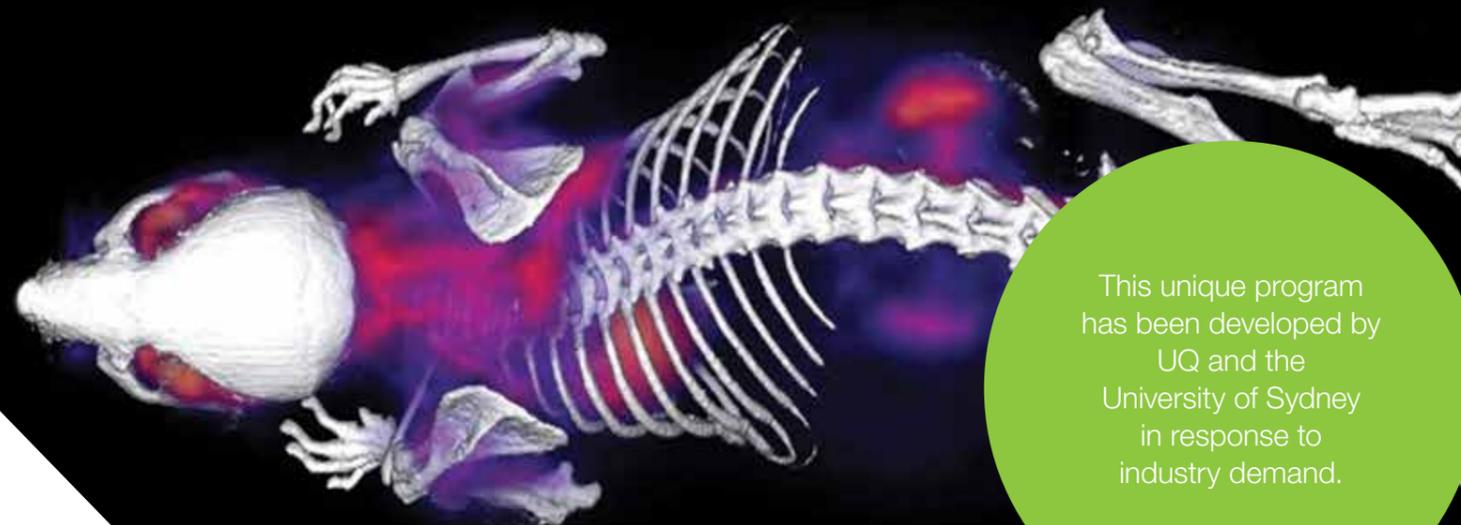
After graduating from the Master program, Chris was awarded a prestigious PhD candidature at the Walter and Eliza Hall Institute of Medical Research.

International Students: English Proficiency
IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.

Postgraduate Coursework Program in

MOLECULAR IMAGING

The importance of molecular imaging to applied life sciences is steadily increasing, with a world-wide demand for skilled leaders in this new approach to biomedical imaging.



This unique program has been developed by UQ and the University of Sydney in response to industry demand.



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1

Location:

St Lucia

Delivery Mode:

Internal, External

AQF Level:

AQF Level 9

Molecular Imaging offers a unique insight into the human body through detailed pictures of what is happening inside the body at the molecular and cellular level. This allows health professionals to provide informed, personalised care to their patients.

The Master of Molecular Imaging program at The University of Queensland is uniquely designed to meet the needs of this growing area of science. The program is taught in collaboration with the University of Sydney, which allows you to undertake courses at both institutions.

This program is perfect if you are a chemist, biologist, physicist, computer scientist, engineer, radiographer or a nuclear medicine technologist wanting in-depth knowledge of this new biomedical imaging approach.

Multidisciplinary learning environment

Together with students from a wide range of backgrounds, including physics, chemistry, biology, medical science, pharmacy, computer science and engineering, you will work to solve problems by drawing on your complementary knowledge and skills. Your teaching team reflects the multidisciplinary nature of the program with expertise as chemists and radio-chemists, medical physicists, radio-pharmacologists, radio-physicists, biologists and engineers.

Career opportunities

This program will give you in-depth knowledge of new biomedical imaging approaches in this exciting, growing field. Use the Master of Molecular Imaging as a springboard for a rewarding career in roles such as:

- Radio-pharmacist, physicist or engineer in the biotechnology sector
- Clinical imaging technologist

This program is also a pathway for Research Higher Degree programs such as a PhD.

Program structure

- Master of Molecular Imaging**
- 24 units (1.5 years full-time or part-time equivalent)

Teaching mode

All courses are taught by flexible delivery. External students do not need to attend tutorials on campus. You can study with us whether you are based elsewhere in Australia or overseas, as long as you have access to the Internet. On-campus study is also possible for students choosing this option.

Sample courses

- Molecular Targets and Imaging Probes
- Clinical Molecular Imaging
- Cell-labelling and Tracking Technologies in MR and Molecular Imaging
- Advanced Techniques in Magnetic Resonance Imaging
- Molecular Imaging Advanced
- Medical Image Processing and Analysis

Entry requirements

Master of Molecular Imaging

Program code 5574

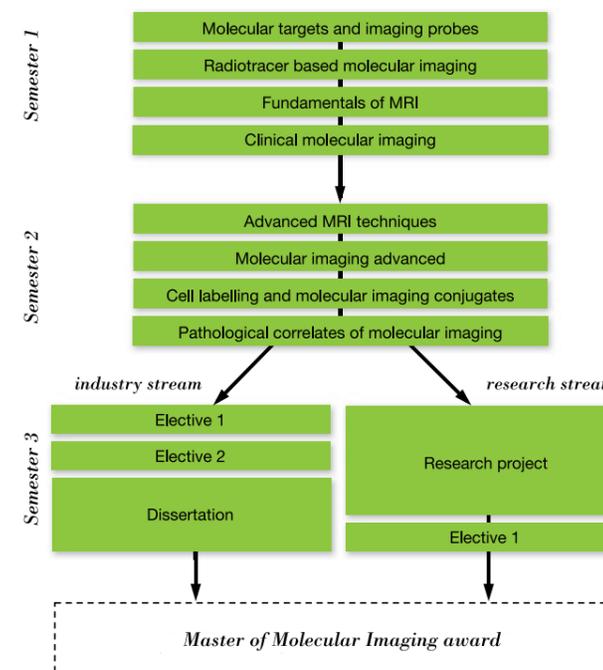
CRICOS Code: 079893E

Bachelor degree in applied science, medical imaging, chemistry, pharmacy, physics, computer science or electrical and biomedical engineering or an approved discipline.

International Students: English Proficiency

IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.

Course Structure



JOSHUA SIMPSON
Master of Molecular Imaging student

"Having trained as a cell biologist focused in fluorescence bio-imaging, I chose the Master of Molecular Imaging to expand on my existing skill-set and explore more of the pre-clinical space in order to better understand techniques, modalities and processes that contribute to drug development and foundational research in medical science. This course has been quite an interesting experience. Foremost I enjoyed the diversity of material taught and its relevance to not only the pre-clinical space but through to point-of-care.

The inclusion of contemporary research from around the globe made for excellent discussion... (and) the opportunities afforded in terms of hands-on experience have helped me develop as a scientist. Having such access to a wide range of different laboratories and academics with diverse interests and focuses has not only contributed in improving my understanding of techniques and modalities, but also shaped my future career direction and personal research interests.

From generating molecular imaging probes, to drug development and pre-clinical imaging, this course really offers an interesting insight into the molecular imaging field and community."

Postgraduate Coursework Program in

OCCUPATIONAL HEALTH AND SAFETY SCIENCE

Occupational health and safety (OHS) is rapidly growing in Australia in response to industry and government requirements to comply with model national OHS legislation which provides greater protection to workers in every employment sector.

Learn from some of the leading Occupational Health and Safety (OHS) experts in Australia, and get ready for a rewarding career as a highly-skilled OHS professional.



For full program details visit future-students.uq.edu.au

Commencing:
Semester 1 or Semester 2

Location:
St Lucia

Delivery Mode:
Internal

AQF Level:
AQF Level 9

Study Occupational Health and Safety Science and you will enter an industry with excellent employment opportunities and impressive starting salaries. The International Labour Organisation estimates each year about two million workers worldwide die as a result of work activities – a statistic that is steadily growing with expanding global industrialisation.

This program will give you the theoretical knowledge, practical skills and professional attributes necessary for a career in this dynamic industry. You will learn about industry hazards (chemical, physical, mechanical, biological and psychosocial) within the context of the Occupational Health and Safety (OHS) disciplines of occupational hygiene, ergonomics, occupational health, safety science and risk management. These include:

- Occupational hygiene to measure and manage contaminants such as chemicals, noise, radiation and heat in the workplace
- Ergonomics to optimise human performance in the workplace, from a physical, cognitive and organisational perspective
- Occupational health to eliminate or minimise work-related disorders and diseases

- Occupational safety to eliminate or minimise work-related injuries
- Law to understand the role of legal systems in protecting workers
- Management systems to implement risk management, auditing and workplace communication strategies

This program has been developed in response to industry demands to make sure you graduate with the practical skills and knowledge for a rewarding career. You will learn from some of the leading OHS experts in Australia.

Career opportunities

OHS professionals work anywhere there is a workplace, so your future place of work could be as diverse as a remote mine site, a large corporate office, a laboratory or a movie set, within Australia or internationally.

On a day-to-day basis OHS professionals are involved in monitoring and modifying the work environment; delivering education programs including wellness programs; analysing workplace data; devising, evaluating and implementing OHS management systems; undertaking OHS auditing and inspections; completing accident investigations; and ensuring compliance with legislation.

You will graduate ready to work across the world including remote, rural or urban regions and across all industries including mining, agriculture, retail, hospitality, construction, transport, manufacturing, health care, government, private sector or consultancies.

Graduates are eligible to become members of the following professional associations

- Safety Institute of Australia
- Human Factors and Ergonomics Society of Australia
- Australian Institute of Occupational Hygienists

Program structure

Master of Occupational Health and Safety Science

- 24 units (1.5 years full-time or part-time equivalent)

Sample courses

- Occupational Health and Safety Management Systems
- Physical Ergonomics
- Occupational Hygiene and Toxicology
- Occupational Health and Safety
- Occupational Safety Science
- Occupational Health and Safety Law
- Risk Management
- OHS Industry Research Project

Entry requirements

Master of Occupational Health and Safety Science

Program code 5558

CRICOS Code: 077534M

Bachelor degree in science, engineering, health science or an approved discipline; with approved tertiary level background in chemistry and biology. UQ or equivalent GPA of 4 or above on a 7 point scale.

International Students: English Proficiency

IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.

Note: In 2017, this program may be replaced with a 32-unit Master program. Contact enquire@science.uq.edu.au for more information.



SYBILLA CASINADER
OHS graduate

Sybilla Casinader's career plan changed from biomedical science when she learned that the death of a friend in a horse-riding accident was due to poor occupational health and safety standards and the lack of any risk assessment.

"I've always had a strong interest in science, problem-solving and accident investigation.

To hear that my friend's death was potentially preventable if appropriate safety standards had been met, strengthened my interest in becoming an OHS professional.

When I learned about UQ's Master of Occupational Health and Safety Science, I felt this would be a natural progression from my Bachelor of Science and other interests, into this specialist field."

Sybilla received a Thiess Occupational Health and Safety Scholarship to support her while she completed her studies.

Postgraduate Coursework Programs in

SCIENCE

Learn at our internationally-recognised School of Mathematics and Physics -- home to three ARC Centres of Excellence and numerous other research groups.

Technological advances continue to generate a wealth of career opportunities for skilled graduates in mathematics, physics and statistics.



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1 or Semester 2

Location:

St Lucia

Delivery Mode:

Internal

AQF Level:

Grad Cert - AQF Level 8

Grad Dip - AQF Level 8

Master - AQF Level 9

Our postgraduate programs in Science provide advanced theoretical and practical knowledge in the specialised scientific fields of mathematics, physics and statistics.

The Mathematics field of study will give you advanced knowledge and skills in mathematics and its applications. You can choose advanced level courses to learn about recent developments in a broad range of modern mathematics including analysis, algebra and combinatorics, applied mathematics, computational mathematics and statistics and probability. You will also develop skills in modern applications of mathematics in areas such as coding and cryptology, bioinformatics, mathematical physics and ecology, computational science and visualisation and financial mathematics.

Physics embraces the study of the most basic natural laws and is about explaining how and why things work on scales ranging from the sub-nuclear, through the everyday, and on to the entire cosmos. The Physics field of study will give you advanced knowledge in areas such as quantum physics, computational physics, and gravitational physics. This will prepare you for a research degree, or give you the background knowledge to take to a wide range of scientific disciplines.

This field of study is designed for students who have substantial background in physics at the undergraduate level.

Statistics is the scientific application of mathematical principles to the collection, analysis, and presentation of numerical data. Statisticians contribute to scientific inquiry by applying their mathematical knowledge to the design of surveys and experiments, collection, processing, and analysis of data and interpretation of the results.

The Statistics field of study will give you the theory and practical experience in the use of popular statistical and data analysis packages, as well as applied and theoretical statistics and probability theory. You will develop advanced skills in modern statistics so you will graduate ready to embark on a career as a professional statistician.

Career opportunities

Many of our Mathematics graduates study higher degrees and go on to research positions at universities and other major research institutions. Statistics, operations research and financial mathematics are most often used in industry, with the number of mathematicians employed in banking, finance, insurance and risk-management on the rise.

Our Physics graduates have robust, high-level analytical and problem-solving skills that are widely applicable and highly valued by a diverse range of employers including those in education, finance, engineering, computing and management. Many graduates are employed by governments in research and management positions, universities, health, research and nuclear physics.

Our Statistics graduates are in high demand in business, industry, research and government, where they are employed in areas such as quality control, product development, asset and liability management and determining risks and returns of investments.

Program structure

Graduate Certificate in Science

- 8 units (0.5 year full-time or part-time equivalent)

Studies may be undertaken in the following specialisations:

- Mathematics
- Physics
- Statistics

Graduate Diploma in Science

- 16 units (1 year full-time or part-time equivalent)

Studies may be undertaken in the following specialisations:

- Mathematics
- Physics
- Statistics

Master of Science

- 24 units (1.5 years full-time)

Studies may be undertaken in the following specialisations:

- Mathematics
- Physics
- Statistics

Sample courses

- Financial Calculus
- Mathematical Biology
- Advanced Quantum Theory
- Condensed Matter Physics: Electronic Properties of Crystals
- Probability and Statistics
- Experimental Design

Entry requirements

Graduate Certificate in Science

Program code 5138

CRICOS Code: 029216A

- **Mathematics field:** Bachelor of Science with mathematics major
- **Physics field:** Bachelor of Science with physics major
- **Statistics field:** Bachelor of Science with statistics major

UQ or equivalent GPA of 5.5 or above on a 7 point scale. Or 5 years of work experience in the same field.

Graduate Diploma in Science

Program code 5240

CRICOS Code: 008585E

- **Mathematics field:** Bachelor of Science with mathematics major
- **Physics field:** Bachelor of Science with physics major
- **Statistics field:** Bachelor of Science with statistics major

UQ or equivalent GPA of 5.5 or above on a 7 point scale.

Master of Science

Program code 5244

CRICOS Code: 038548F



JASON WERRY

Master of Science graduate

After working as a software developer for 15 years, Jason Werry decided to take his career in a new direction. With a strong interest in the mathematics behind quantum mechanics, he enrolled in UQ's Master of Science program, specialising in mathematics. During the program, Jason worked on projects involving the latest research in mathematics, giving him the knowledge and confidence to commence a PhD at UQ. In 2015, Jason completed his PhD degree and is now a Postdoctoral Research Fellow with the UQ School of Mathematics and Physics, researching on the mathematical structures within quantum theories.

- **Mathematics field:** Bachelor of Science with mathematics major
 - **Physics field:** Bachelor of Science with physics major
 - **Statistics field:** Bachelor of Science with statistics major
- UQ or equivalent GPA of 5.5 or above on a 7 point scale.

International Students: English Proficiency IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.

Postgraduate Coursework Programs in

URBAN AND REGIONAL PLANNING

Choose a career in urban and regional planning (generally referred to as 'planning') and you will make a difference to people's lives by improving the quality of cities and regions.

With many of South-East Queensland's planning firms headed by UQ graduates, the Master of Urban and Regional Planning is recognised as one of the leading planning programs in Australia.



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1 or Semester 2

Location:

St Lucia

Delivery Mode:

Internal

AQF Level:

Grad Cert - AQF Level 8

Grad Dip - AQF Level 8

Master - AQF Level 9

Planning involves strategic, long-term structural and statutory approaches to improve built and natural environments, often working through the legislative framework controlling land use. The field is closely allied with environmental management, architecture, public administration, sociology, community studies, ecology and similar disciplines.

At The University of Queensland, you will learn from some of Australia's best practitioners, in a program that is recognised by employers as delivering high-quality and experienced graduates.

You will receive an industry-guided balance of theoretical knowledge and practical experience so you will graduate confident and job-ready.

The Master of Urban and Regional Planning was the first masters level program in Queensland to be recognised by the Planning Institute of Australia (PIA).

Opportunities are available to undertake an individual research investigation through an advanced research project and you can also choose from electives to allow some specialisation during your studies. Also available are an industry-based practicum and an in-house practical project.

Career opportunities

Employers seek UQ graduates for their ability to make environmentally, socially and economically sustainable decisions. You will find employment in a variety of roles in the public and private sectors, including:

- Strategic planning
- Statutory planning
- Regional development
- Environmental management and monitoring
- Technology for planning
- Spatial planning
- Commercial and industrial development
- Engineering and architectural applications
- Heritage and conservation
- Land-use planning
- Planning law
- Resource management
- Social planning
- Tourism
- Transport planning
- Urban design

Program structure

Graduate Certificate in Urban and Regional Planning

- 8 units (0.5 year full-time or part-time equivalent)

Graduate Diploma in Urban and Regional Planning

- 16 units (1 year full-time or part-time equivalent)

Master of Urban and Regional Planning

- 32 units (2 years full-time or part-time equivalent)

Sample courses

- Strategic Metropolitan Planning
- Sustainable Communities
- Applied Demography
- Designing Places
- Urban Management and Governance in Developing Countries
- The Urban Challenge

Entry requirements

Graduate Certificate in Urban and Regional Planning

Program code 5068

CRICOS Code: 025968D

Bachelor degree in any field, with UQ or equivalent GPA of 4 or above on a 7 point scale; or 2 years of work experience in the same discipline.

Graduate Diploma in Urban and Regional Planning

Program code 5116

CRICOS Code: 025980G

Bachelor degree in any field or Graduate Certificate in Urban and Regional Planning, with UQ or equivalent GPA of 4 or above on a 7 point scale.

Master of Urban and Regional Planning

Program code 5559

CRICOS Code: 077535K

Bachelor degree in any field or Graduate Certificate or Graduate Diploma in Urban and Regional Planning, with UQ or equivalent GPA of 4.5 or above on a 7 point scale..

International Students: English Proficiency

IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.



THERESA FULLERTON
Urban and Regional Planning graduate

Master of Urban and Regional Planning graduate Theresa Fullerton chose UQ due to the profile and strength of the School of Geography, Planning, and Environmental Management.

"I liked UQ because of its top class facilities, the attractiveness of the campus, its proximity to the inner city and of course for the quality of the program," she said.

Theresa especially appreciated the broad scope of the program that gave her insight into a wide variety of planning-related topics, providing valuable skills for the future, as well as the practical experience gained during her studies.

Postgraduate Coursework Programs in

VETERINARY SCIENCE

Veterinary Science at The University of Queensland attracts some of the highest achieving students from Australia and internationally, and produces veterinarians who are in high demand across the world.

This program will train you in the field of Veterinary Diagnostic Pathology. You will graduate with the skills and knowledge to become a veterinary pathologist with enhanced research and diagnostic skills.



For full program details visit future-students.uq.edu.au

Commencing:

Semester 1 or Semester 2

Location:

Gatton

Delivery Mode:

Internal

AQF Level:

Grad Cert - AQF Level 8

Grad Dip - AQF Level 8

Master - AQF Level 9

The University of Queensland's postgraduate programs in Veterinary Science offer you a higher degree qualification that will enhance your previous veterinary studies in a general disciplinary area and qualify you for enrolment in a higher degree. The field of study currently offered is Veterinary Diagnostic Pathology.

Choose the Veterinary Diagnostic Pathology field of study to build your knowledge in the pathology and modern fields of infectious disease diagnosis, molecular pathology as well as veterinary diagnostic techniques.

You will learn about the pathogenesis of diseases and improve your diagnostic techniques for disease control, prevention and public health.

You will graduate with the skills and knowledge to become a veterinary pathologist with enhanced research and diagnostic skills. You will also undertake a research project and investigate a subject area, working closely with academic staff members experienced in research.

These postgraduate programs have been developed by specialist academics

in consultation with industry. They include the latest research developments to ensure you receive the most relevant, up-to-date knowledge and expertise to put you at the forefront of the veterinary profession.

You will access world-class animal science facilities including the \$100 million veterinary science facilities, the Native Wildlife Teaching and Research Facility and the Queensland Animal Science Precinct (formerly known as the Centre for Advanced Animal Science).

Career opportunities

By choosing Veterinary Diagnostic Pathology as a field of study, you will be qualified to work in the field of diagnosis of animal diseases, as well as in teaching and research pertaining to this field, or as a consultant for disease control. You may work in diagnostic laboratories (including private or government owned laboratories, contract laboratories, zoos or wildlife agencies), academic institutions, industry (pharmaceutical, biotechnological, chemical) or government agencies dealing with animal disease control.

Program structure

Graduate Certificate in Veterinary Science

- 8 units (0.5 year full-time or part-time equivalent)

Graduate Diploma in Veterinary Science

- 16 units (1 year full-time or part-time equivalent)

Master of Veterinary Science

- 24 units (1.5 years full-time)

Sample courses

- Advanced Veterinary Topic
- Veterinary Diagnostic Laboratory Techniques
- Directed Studies in Molecular Genetics
- Introduction to the Molecular Biology Laboratory
- Diagnostic Pathology
- Graduate Research Project

Entry requirements

Graduate Certificate in Veterinary Science

Program code 5611
CRICOS Code: 084719K
Bachelor degree in the area of veterinary science; or an approved discipline; or 5 years of work experience in the same discipline.

Graduate Diploma in Veterinary Science

Program code 5612
CRICOS Code: 084720F
Bachelor degree in the area of veterinary science; or an approved discipline.

Master of Veterinary Science

Program code 5613
CRICOS Code: 084728J
Bachelor degree in veterinary science or an approved discipline; Graduate Certificate or Graduate Diploma in Veterinary Science.

International Students: English Proficiency

IELTS overall 6.5; writing 6, reading 6, speaking 6, and listening 6. For other English Language Proficiency Tests and Scores approved for UQ, view the English proficiency policy at <http://future-students.uq.edu.au/applying/english-language-proficiency-requirements>.



JEE YOUNG OH
Veterinary Science graduate

"UQ is known as a university with diverse programs and great facilities – even in my home country of Korea.

The veterinary science facilities at UQ are excellent and I believe it would be hard for other universities to compete with that. I settled in very quickly and love the Gatton campus."



ARE YOU AN INTERNATIONAL STUDENT?

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

You are an international student if you are a:

- temporary resident (visa status) of Australia
- permanent resident (visa status) of New Zealand, or
- resident or citizen of any other country.

Eligibility for UQ study

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

- An acceptable academic qualification and/or relevant professional experience. An acceptable academic qualification may need to be in the same discipline as your chosen UQ program.
- Complied with any other special entry requirements for your chosen program.
- Satisfied English language requirements. If you do not meet these criteria, you might consider taking English language training offered by the Institute of Continuing and TESOL Education (ICTE-UQ).

More information
W: future-students.uq.edu.au/apply/ictc.uq.edu.au

Tuition fees

UQ has program-based fees for coursework award programs, meaning that all courses within a program are charged at the same tuition fee rate per unit for a given academic year.

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

Other expenses

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

Applying to UQ

How to apply
W: future-students.uq.edu.au/apply

Want more information?

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

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

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

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

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

PATHWAYS TO RESEARCH HIGHER DEGREES

How do I start my research career?



How to apply: graduate-school.uq.edu.au/applying-research-higher-degree

Options & entry requirements

There are three research higher degree (RHD) options:

- Doctor of Philosophy (PhD)
- Master of Philosophy (MPhil)
- Doctor of Biotechnology (DBiotech)

The University of Queensland looks at your academic and professional experience when assessing your application.

Entry requirement details can be found here: graduate-school.uq.edu.au/uq-research-degrees

Tuition fees

Domestic students are not required to pay tuition fees during their RHD studies. The Australian Government provides funding to all Australian universities through the Research Training Scheme to cover

the cost of RHD training places. International students are required to pay tuition fees for their RHD studies. The international RHD fees differ depending on your area of research and study mode.

Start dates

The UQ academic year is divided into research quarters. All Research Higher Degree students should commence their program by the census date of a research quarter. graduate-school.uq.edu.au/research-quarters

Scholarships

UQ offers financial support to RHD students through a wide range of scholarships. For more information on available scholarships see: graduate-school.uq.edu.au/scholarships or science.uq.edu.au/scholarships

SCHOOLS IN THE FACULTY OF SCIENCE	POSTGRADUATE CONTACT
School of Agriculture and Food Sciences	SAFS_RHD_Admin@uq.edu.au +61 7 3365 3458
School of Biological Sciences	biologyadmin@uq.edu.au +61 7 3365 7082
School of Chemistry & Molecular Biosciences	rhd@scmb.uq.edu.au +61 7 3365 1499
School of Earth Sciences	rhd.coordinator@earth.uq.edu.au +61 7 3365 2371
School of Geography, Planning & Environmental Management	postgrad.gpem@uq.edu.au +61 7 3365 6536
School of Mathematics & Physics	PGcoordinator@sm.p.uq.edu.au +61 7 3346 7264
School of Veterinary Science	vet_rhd@uq.edu.au +61 7 5460 1842

Learn to see
the world
differently



Louisa Parkinson
UQ Bachelor of Biotechnology
(Honours) graduate;
PhD student at the Queensland
Alliance for Agriculture and
Food Innovation (QAAFI)

HIGHLY RANKED



The Advanced Engineering Building at St Lucia campus. © Peter Bennetts
*QS World University Rankings, 2015-16.

MORE INFORMATION

Faculty of Science – St Lucia campus

Phone +61 7 3365 1888
Email enquire@science.uq.edu.au
Internet www.science.uq.edu.au

Faculty of Science – Gatton campus

Phone +61 7 5460 1276
Email enquire@science.uq.edu.au
Internet www.science.uq.edu.au

UQ Admissions

Phone +61 7 3365 2203
Email admissions@uq.edu.au
Internet www.asd.uq.edu.au/admissions

UQ International Admissions

Phone +61 7 3365 7941/
Within Australia (freecall) 1800 671 980
Email study@uq.edu.au
Internet www.future-students.uq.edu.au

Student Services – Accessibility

Phone +61 7 3365 1704
Email disability@uq.edu.au
Internet www.uq.edu.au/student-services/disability

Disclaimer

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

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

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

CRICOS Provider Number 00025B



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