

ACADEMIC PROGRAMS

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Liam Rodgers, Bachelor of Physiotherapy student, helping a patient

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Bachelor of Arts (Archaeology) student Cherylyn Wong



Marine Studies student Tyffen Read (right) in waters off the Heron Island Research Station



Rohani Oorloff, Bachelor of Medicine, Surgery and Science (MBBS), examining a patient's hand



Animal Studies student Jennifer Hornery and Applied Science student Brendan James Geraghty at UQ Gatton



Chemical Engineering students

ACADEMIC PROGRAMS

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Thu-Thuy Pham graduated with first class honours from the Bachelor of Environmental Management in 2005.

“The training and knowledge, skills that I gained from UQ and NRAVS (the Faculty of Natural Resources, Animals and Veterinary Science) has equipped me with the best ability and capacity to serve for all the jobs that I have done in the last four years,” she said.

Over the last five years, Thu-Thuy has been involved in developing and coordinating numerous projects on conservation in Vietnam, including payments for environmental services (PES), and work to reduce emissions from deforestation and degradation (REDD).

She has been contracted by employers such as the Asian Development Bank, Australian Centre International Agricultural Research, Center for International Forestry Research, Forest Trend, and World Agroforestry Centre.

Thu-Thuy has also been an active member of different professional networks in Vietnam, such as REDD/PES network.

“Thanks to NRAVS and its professional training, I can offer an employer a combination of practical experience and become a valuable employee by being technically excellent, relationship-oriented and business focused,” she said.

THU-THUY PHAM
VIETNAM
BACHELOR OF ENVIRONMENTAL MANAGEMENT

SECURE A SUSTAINABLE FUTURE

The world is changing, creating new jobs and challenges that need to be solved. One of the biggest global challenges is the need to create a sustainable future – economically, socially and environmentally.

By choosing to study agriculture, animals, veterinary science, food or the environment, you will become part of the solution, solving issues such as climate change, feeding a growing population, biosecurity, poverty and diminishing natural resources. It's an exciting future that will be shaped by graduates with qualifications in these areas.

Hands-on learning

The theoretical and technical knowledge you will gain in these degrees is supported with practical training that you gain through industry placements, internships and work experience. Practical placements can be overseas or local, giving you the opportunity to travel and to apply your knowledge in a new and challenging environment.

First-class facilities

The facilities at UQ are world class, with the \$100 million relocation of the School of Veterinary Science to the Gatton campus and the opening of the \$33 million Centre for Advanced Animal Science at UQ Gatton in partnership with Queensland Primary Industries and Fisheries. UQ also runs commercial farm facilities and world-class research centres, which means what you learn in the classroom is based on leading research.

Study at home at your own pace

A number of programs are available to study via distance education, allowing you to balance study, work and family commitments. Take advantage of this opportunity to advance your career while still being able to maintain your current lifestyle. You will have full access to our library resources and the opportunity to

AGRICULTURE, ANIMALS, FOOD & ENVIRONMENT



communicate with lecturers, tutors and other students on our online forums, podcasts, wikis, blogs and at residential school.

World of opportunities

The agriculture, animal, veterinary science, food and environmental sectors are among the Australia's largest employers of scientists, technologists, business managers and professionals, with many and varied employment opportunities available. Agriculture is a core activity that is common to all cultures in the world, so pursuing a career in this area can open doors for you in almost every country. Our graduates work in a wide range of well-paid and rewarding careers, both in Australia and overseas. From a high-rise office in Sydney or Melbourne, to the outback of Queensland or the Northern Territory or on research projects in Cambodia – our graduates are working in jobs they love and are making a difference to the world.

UQ graduates with qualifications in these fields are in high demand from public and private sector employers in areas such as:

- agribusiness
- agronomy and horticultural consulting
- animal breeding and production

- animal welfare
- banking and finance
- commodity trading
- crop and pasture production
- economics
- ecotourism
- environmental management and rehabilitation
- environmental science
- farming
- food and fibre production
- food processing and service
- food science and technology
- genetics
- industry organisations and agripolitics
- land management
- livestock management
- marine management
- natural resource management
- parks and recreational facility management
- policy and administration
- research and development
- veterinary science
- veterinary technology
- wildlife and nature conservation.

Degrees in this discipline

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– Applied Science	40
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– Agriculture	40
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BACHELOR OF AGRIBUSINESS

Program code 2007

Location Gatton

Delivery mode Internal/External

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Available as an additional year of study

Program outline

The Bachelor of Agribusiness program is aimed at those wishing to establish a business career in the food and fibre industries. The program offers the ideal preparation for management positions with business, producing graduates who are consumer focused, commercially aware, innovative, internationally oriented and technically competent.

The program provides students with an appreciation of the business principles that drive food and fibre industries, both nationally and internationally. Students learn about marketing, finance and managing people and technology along the value chain that links producers with consumers. Students study business courses such as accounting, economics, marketing research and marketing in an agribusiness context. Through a wide range of elective courses students can further tailor their studies to their preferred career path.

Placement courses

Thirty working days of approved industry practice work experience in at least two positions in agribusiness before the end of the program is required.

Supplementary information

The highlight of this program is the overseas marketing project students may undertake in their final year of study. Students, in small groups, are engaged as consultants by an agribusiness firm to undertake market research in an overseas country, usually in Asia. The project provides students with a unique educational experience in a foreign country and is highly valued by potential employers. In recent years, students have undertaken projects in China, Japan, Thailand, Vietnam, Dubai and Singapore.

This program boasts an exceptional employment rate for graduates, with many being offered positions prior to graduation.

Career opportunities

UQ's Bachelor of Agribusiness is designed for students who aspire to be the business leaders and managers of the future. This program equips students with the necessary knowledge, skills and self-confidence to assist in effective and successful management, within constantly changing and highly competitive environments. UQ graduates establish careers in the private and public sector, both within Australia and internationally. Agribusiness graduates find employment in a variety of fields, including:

- exporting
- commodity trading
- sales and marketing
- banking
- finance and insurance
- supply chain management/value chain management
- government agencies
- policy development and analysis within agricultural and regional agencies
- agribusiness management.

Dual degree programs

- Applied Science

Additional cost

Students undertaking the overseas marketing project are expected to fund their own travel.

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF AGRICULTURAL SCIENCE

Program code 2003

Location Gatton

Delivery mode Internal/External

Commencement semester 1, 2

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, and Chemistry or Mathematics B (please see page 88 for Queensland Year 12 subject equivalencies)

Honours Available as a modified program of study in year 4, with entry based on grade point average

Program outline

The Bachelor of Agricultural Science is the most comprehensive of UQ's range of agricultural programs, providing students with more opportunity to develop general or specialised expertise. A four-year program, it provides students with a sound knowledge of scientific, technological, management, economic, environmental and social principles associated with agriculture.

The first two and a half years of study provide students with a solid grounding in the basic principles common to all agricultural industries and a taste of possible areas of elective study.

The sixth semester consists of a six-month internship in an agricultural production enterprise, agribusiness or research institution. This placement allows students to apply what they have learned so far, build upon their knowledge to gain valuable industry experience and develop contacts for future employment at the same time. The remainder of the program allows students to pursue their own interests through individual research projects and elective courses.

This program is ideal for those who want to build a successful career in the agricultural industries in fields like research and development, production, management or service industries such as rural finance.

Supplementary information

An internal student attends lectures, tutorials and practicals on campus. An external student receives instruction by mail, or via the Internet. Regardless of the mode of study, the program is the same. Some distance education courses may require residential school attendance.

Career opportunities

Agricultural Science graduates from UQ are held in high regard with employers, with many securing jobs within the industry prior to graduating. The main advantage of studying the Bachelor of Agricultural Science degree at UQ is the diversity of opportunities it provides, not only through the vast choice of electives, but also through the valuable contacts made during the vocational placement students undertake.

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

QUEENSLAND CERTIFICATE IN AGRICULTURE

Program code 1505

Location Gatton

Commencement semester 1

Duration 1 year full-time

Admission requirements Five Sound Achievements in Queensland Year 10 (or equivalent), including English, Mathematics and a Science subject

Program outline

The Queensland Certificate in Agriculture is a complete educational program that allows for direct entry into the workforce or articulation into higher-level university or vocational educational systems with credit. The program is open to anyone wanting a career in the agriculture, horticulture or animal industries. Admission requires five Sound Level Achievements in Year 10 (O levels), which must include English, Maths and a science subject. Special entry is available for mature age students. The program consists of four applied skills courses and four theory courses including: Applied Animal Production; Animal Studies; Applied Plant Production; Plant Studies; Applied Workplace Health and Safety; Farm Infrastructure and Equipment; Rural Communication and Rural Business Management.

Career opportunities

Graduates find employment in:

- broadacre grain and cotton farms
- nurseries
- fruit and vegetable production and processing enterprises
- intensive livestock production enterprises within the dairy, lot-fed beef, pig, chicken meat and egg industries
- extensive livestock production enterprises within the beef, wool, sheep meat and goat industries
- government departments and industry organisations
- agribusiness, in stockfeed, livestock, seed, fertiliser and chemical companies
- new and emerging rural industries.

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

ASSOCIATE DEGREE IN APPLIED SCIENCE

Program code 1506

Location Gatton

Delivery mode Internal/External

Commencement semester 1, 2

Duration 2 years full-time

Admission requirements Queensland Year 12 (or equivalent)

Program outline

Applied science is the science of applying knowledge from one or more natural scientific fields to practical problems. The Associate Degree in Applied Science at UQ provides students with a broad understanding of a variety of scientific principles and the skills to apply their knowledge to solve problems in a variety of situations – a vital skill sought by employers and therefore a particular advantage when entering the workforce.

An associate degree is a two-year program that provides articulation into a bachelor degree program in a directly related area of study.

The associate degree program may offer the opportunity for students to gain prerequisite subjects at a university level (i.e., Maths, Chemistry and Biology) for entry into a degree program. An

associate degree qualification provides a broad-based point of entry to employment, particularly in associate professional occupations.

Majors

Animal Production

Animal production is a specialised animal science that combines some aspects of business management. The study of animal production involves gaining an understanding of the physiological elements underlying the commercial production of beef and dairy cattle, poultry, pigs, sheep and goats.

Animal Welfare and Inspection

Animal welfare involves protecting the five freedoms of animal care: freedom from hunger and thirst; freedom from discomfort; freedom from pain, injury or disease; freedom to express normal behaviour and freedom from fear and distress. Professionals who work in the area of animal welfare aim to ensure that these five freedoms are protected regardless of whether the animals are on farm, in transit, at market and bound for slaughter.

Equine Studies

Equine studies is a specialised animal science that combines some aspects of business management. Like other animal production industries, the equine industry requires animals that are produced and grown efficiently. Those who work in the equine industries must produce horses which are also able to attain some level of athletic performance, remain sound and interact in a cooperative manner with humans. As a result, modern equine management demands a depth of scientific knowledge and skills with an intensive and individual focus.

Marine Resources

Marine resources encompasses studies directed towards the management, catching or growing, processing, marketing and export of marine/fisheries resources. Technical, economic, social, legal and managerial factors are considered. Graduates find employment in roles such as boating and fisheries patrol officers and technical officers responsible for the quality control of exported products.

Plant Studies

Plant studies provides a foundation for understanding how plants grow and how they can be managed in agricultural or horticultural production systems. Courses cover the principles and practices of plant production as well as plant health and soil management. Plant studies can lead to level 3 (degree) studies in agronomy (crops and pastures) and horticultural production (fruit, vegetable, nursery crops) as well as lifestyle horticulture (urban landscapes and environmental horticulture).

Wilderness Reserves and Wildlife

People working in wilderness reserves and wildlife, depending on their area of specialisation, may be involved in the management of national parks, marine parks, conservation areas, nature reserves, recreation areas or other protected areas and natural resources. In their day-to-day work they may assist with educating visitors, patrolling parks and waterways for law enforcement, undertaking surveys and monitoring on the condition of natural and culturally significant features, and ensuring the protection of endangered animals and plants. They may also assist in research and wildlife management projects, or with supervising and coordinating fire management, weed eradication and pest-control programs, and undertaking park maintenance, including for campgrounds and walking tracks.

Career opportunities

Applied Science graduates from UQ enjoy high regard with employers, with many securing jobs within the industry prior to graduating. The main advantages of studying an Associate Degree in Applied Science at UQ is the diversity of opportunities it provides through the valuable

contacts made during the vocational placement students undertake during their program, and the ability to gain credit towards a degree.

Depending on their specialisation, graduates find employment in:

- agricultural production
- agribusiness firms
- stock and station agent roles
- marine resource organisations
- conservation (landcare)
- tourism and ecotourism
- timber-harvesting operations
- sawmill quality control
- food processing
- horticultural production, nurseries and floriculture
- stockfeed and saddlery firms
- equestrian journalism
- competition stables
- biosecurity
- quarantine
- national parks
- boating and fisheries.

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF APPLIED SCIENCE

Program code 2240

Location Gatton; St Lucia

Delivery mode Internal/External

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Food Science and Nutrition: Queensland Year 12 (or equivalent) English, Chemistry and Mathematics B (please see page 88 for Queensland Year 12 subject equivalencies). Integrated Resource Management: Queensland Year 12 (or equivalent) English and Mathematics A, B or C (please see page 88 for Queensland Year 12 subject equivalencies). Exercise and Nutrition Sciences: Queensland Year 12 (or equivalent) English, plus one of either Biological Sciences, Chemistry or Physics. Other majors: Queensland Year 12 (or equivalent) English.

Honours Available as an additional year of study

Program outline

Applied science is the science of applying knowledge from one or more natural scientific fields to practical problems. The study of applied science at UQ provides students with a broad understanding of a variety of scientific principles and the skill to apply their knowledge to solve problems in a variety of situations – vital skills sought by employers and therefore a particular advantage when entering the workforce.

The Bachelor of Applied Science provides students with a broad background in basic sciences. The degree offers a flexible three-year program with a diverse range of specialisations, depending on students' career aspirations, making it possible to enter into a wide range of industries.

Students can tailor their study by selecting either one extended major or two single majors to combine two areas of interest.

Placement courses

Thirty working days of approved industry practice work experience is a requirement for graduation and gives students an opportunity to gain valuable practical experience in a real workplace setting.

Supplementary information

With the exception of the Food Science and Nutrition, Integrated Resource Management, Veterinary Technology and Exercise and Nutrition Sciences majors or extended majors, all fields are offered in internal and external modes. An internal student attends lectures, tutorials and practicals on

campus. An external student receives instruction by mail, or via the Internet. Regardless of the mode of study, the program is the same. Courses offered in the external mode may have residential school requirements.

Students are not admitted to the Veterinary Technology extended major until the fourth semester of the Bachelor of Applied Science. There is a quota of 30 students admitted to the fourth semester. The final year of the Veterinary Technology extended major is available in internal mode only.

Internal students undertaking the Equine Science extended major will at some stage require their own equitation horse. Agistment is available on campus.

Majors

Animal and Plant Biosecurity (Gatton)

Safeguarding Australia's animal and plant resources through adequate security and quarantine is the basis for the animal and plant biosecurity major. Students interested in working within biosecurity and quarantine roles such as the Australian Quarantine and Inspection Service (AQIS) or Customs are able to complete the three-year Bachelor of Applied Science with a major in Animal and Plant Biosecurity. Students can further enhance their career options by combining their studies with business, animals or plants, depending on their area of interest.

Animal Science (Gatton)

Animal science is concerned with the scientific and business aspects of the production of beef cattle, dairy cattle, horses, poultry, sheep and/or pigs.

Animal scientists research and distribute newly discovered information regarding the biology and management of production animals. Animal scientists also work to apply their knowledge to benefit the general public through the efficient, humane and environmentally responsible use of animals for food, companionship and recreation.

Conservation Management (Gatton)

The Conservation Management major focuses on resource management within a conservation framework. It provides key skills and perspectives needed to achieve conservation goals within the broader landscape. It addresses both policy and practical aspects of conservation management.

Equine Science (Gatton)

Equine science is a specialised area of animal science which involves horses to study areas such as nutrition, reproduction, exercise physiology, health and rehabilitation as well as welfare and behaviour. This knowledge is then applied to improve the management, performance and welfare of both the leisure horse and the equine athlete. Equine science also includes areas of study which explore the interaction of horse and rider.

Exercise and Nutrition Sciences (St Lucia)

Exercise and nutrition sciences recognises the strong link between exercise and nutrition and their role in the prevention and treatment of preventable illnesses, chronic disease, some cancers and obesity. This major focuses on developing a broad understanding of the human body introducing students to how the body moves and ways to enhance wellness and human performance through exercise and nutrition. Student of this major study a breadth of courses in human movement sciences (biomechanics, motor control, sport and exercise physiology) and nutrition (food science, food and society, and nutrition and disease). Students have the flexibility to tailor their program to meet their specific interests and career aspirations. Students may pursue a wide variety of career paths in exercise and sport science, community and corporate fitness, and/or health and wellness.

This major is a recommended pathway into the Master of Dietetic Studies and is also an excellent entry point for other postgraduate programs including exercise science, physiotherapy, sports coaching or graduate entry medicine. Research can be taken in areas including biomechanics, exercise physiology, motor control, nutrition, and sport science.

Food Science and Nutrition (St Lucia)

Food and nutrition covers all aspects of the food system, from farm to fork. The food system is not only concerned with on-farm production, off-farm food processing, and distribution of produce for sale, but also the selection and consumption of the food by the consumer including the effects of food on their health.

Food science covers the physical nature and chemical composition of food to understand how food behaves under different conditions of processing and storage, and why. This information is used to improve the safety and quality of food as well as to extend the range of products available.

The science of nutrition studies the effects of dietary nutrients on growth, development, health and well-being in the population. It also examines the psychological, sociological and cultural factors which influence food choice, with a particular focus on the consequences for health. Food Science and Nutrition is only available as an extended major.

Integrated Resource Management (St Lucia)

Complex resource management issues, such as water management, climate change, persistent poverty in the world, economic globalisation, environmental degradation, and social and political conflict, are central to Australia and the world's future. This major introduces students to the need in industry for integrating natural resource science with economics and people/social issues in finding sustainable solutions to the complex problems facing the world. Integrated Resource Management is only available as an extended major.

Parks and Wildlife Management (Gatton)

This major targets students interested in natural resource management. The courses provide a balance between the conservation strategies for natural environments (including marine) and wildlife management. This extended major is designed for students seeking careers in the conservation industry and addresses the community demand for protected area and wildlife management professionals. The major emphasises natural sciences and problem-solving, and teaches students about contemporary management approaches to the conservation of natural and cultural resources.

This major covers landscape and marine conservation strategies, and wildlife management. It provides students with the skills and perspectives necessary to address complex conservation issues within the context of socioeconomic and political expectations. The major is further complemented by the development of students' practical field skills.

Plants (Gatton)

The Plants major incorporates the study of both agronomy and horticulture. Agronomy deals with the science and technologies involved in the cultivation of plants for sustainable agricultural systems, crop production and pastures. Horticulture covers fruit, vegetable, nursery and floricultural crops. Lifestyle horticulture encompasses the use of plants to enhance our lives and covers plants in urban landscapes, trees (arboriculture), turf and resort facilities and various recreational and therapeutic benefits. The broader objectives of the plant major is enhanced food security and general economic development, while conserving the natural environment. Plants is available as a single or extended major.

Production Animal Science (Gatton)

Production Animal Science is about the sciences (such as animal behaviour, microbiology, anatomy and physiology, biochemistry, health, genetics and reproduction) underpinning animal production. Students learn to how to use the latest technologies and business principles, and how to apply these in animal husbandry programs to ensure profitable and sustainable animal production.

Regional and Rural Business Management (Gatton)

An understanding of the business environment is essential for graduates seeking employment in animal and plant production enterprises and in the

agribusiness community. Principles of business management, economics, marketing and human resource management of rural enterprises are introduced within a systems framework.

Rural Management (Gatton)

Rural Management focuses on agricultural business management, specifically focusing on striking a balance between science, technology and management. An understanding of the business environment is essential for graduates seeking employment in animal and plant production enterprises and in the agribusiness community. Principles of business management, economics and marketing relating to rural enterprises are introduced within a systems framework. Rural Managers are also involved in the support of businesses for this important industry including finance, insurance, marketing, extension and consulting.

Veterinary Technology (Gatton)

The veterinary technologist is an integral member of the veterinary healthcare team who has been educated in the care and handling of companion and production animals, the basic principles of normal and abnormal life processes, and in routine laboratory and clinical procedures including veterinary radiography, clinical pathology and veterinary surgical and anaesthetic support procedures. In clinical practice, veterinary technologists work under the supervision of a veterinarian. While a veterinary technologist can assist in performing a wide variety of tasks, they cannot diagnose, prescribe or perform surgery. Veterinary technologists are also used in government agencies where they complement the role of the veterinarian.

The Veterinary Technology major equips graduates with the attributes of critical thinking, problem-solving and independent learning which prepare them for supervisory, and management positions. While undertaking the Veterinary Technology major, students can undertake the Certificate IV in Veterinary Nursing, and so may graduate with both qualifications.

Wildlife Management (Gatton)

Students gain the ability to implement and evaluate wildlife management programs. This major concentrates on science and policy aspects of wildlife conservation management and use. With excellent wildlife trapping, identification and handling skills, graduates can be expected to make major contributions to wildlife and vertebrate pest management.

Wildlife Science (Gatton)

Wildlife science focuses on the biology and management, including the ecology and conservation of wild animals. Wildlife scientists study native and exotic birds, mammals, reptiles and amphibians in natural or created environments, their biodiversity and human-wildlife interactions.

Career opportunities

Applied Science graduates from UQ enjoy very high regard with employers, with many securing jobs within the industry prior to graduating. The main advantage of studying the Bachelor of Applied Science degree at UQ is the diversity of opportunities it provides through the valuable contacts made during the vocational placement students undertake during their program.

Dual degree programs

– Agribusiness

International contact details

International Student Advisor
Online: www.uq.edu.au/international/enquiry
Phone: within Australia (free call): 1800 671 980
Outside Australia: +61 3 8676 7004

BACHELOR OF ENVIRONMENTAL MANAGEMENT

Program code 2011 (St Lucia); 2010 (Gatton)

Location St Lucia, Gatton

Delivery mode Internal/External

Commencement semester 1, 2

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Available as a modified program of study in year 4, with entry based on grade point average

Program outline

Environmental management is the integration of economics and ecology to use and conserve natural systems, and includes any measures taken for the protection, conservation and preservation of the environment, heritage and natural resources.

Environmental managers consider the scientific, technical, economic, social and management aspects of the environment to produce strategies to manage environmental resources, and to maintain the usefulness of that environment for inhabitation by humans and other species.

This degree equips graduates with the scientific, technical, financial, social and managerial information necessary to analyse problems and produce innovative environmental management solutions.

Placement courses

All students undertake a 16-week industrial placement within Australia or overseas. Supplementary information

Natural Systems and Wildlife is available internally at St Lucia campus and both internally and externally at Gatton campus. Sustainable Development is available internally at St Lucia campus. An internal student attends lectures, tutorials and practicals on campus. An external student receives instruction by mail, or via the Internet. Regardless of the mode of study, the program is the same. Courses offered in the external mode may have residential school requirements.

Majors

Natural Systems and Wildlife (Gatton or St Lucia)

Students undertaking the natural systems and wildlife major are taught to use scientific, social, economic and managerial information in natural systems and wildlife conservation and management. This plan combines fundamental biological studies with multidisciplinary skills in environmental management, decision-making, problem-solving and policy analysis. The final year develops the ability to manage complex problems that threaten the survival of natural systems.

Students undertake a four-week field trip to western and northern Queensland to study the ecology and management of arid zones, the wet tropics, terrestrial, and marine tropical environments. Students undertake a 16-week integrated industry study in a related work situation where they complete an approved project on natural systems and wildlife management.

Sustainable Development (St Lucia)

The field of sustainable development is a continuing focal area for environmental management and is projected to continue to grow in national and international importance. The underlying philosophy is to reduce the effects of industry and other activities on the environment and implement ways to reduce or eliminate existing and potential environmental concerns. This means designing and incorporating environmental solutions into better cities, industries, farms, mines and tourism at the individual enterprise level through to state and national programs and policies. The field requires people able to create innovative and cost-effective

projects to achieve sustainable development and to assist firms and governments to set and meet necessary environmental standards.

Environmental management students have the opportunity to participate in field trips locally, interstate and overseas. Students have the option to participate in one-week field trips to Heron Island and the north Queensland wet tropics and in a tall ship sailing experience and field course in the Whitsunday Islands. Field trips allow students to study the geomorphology, ecology and built environment of diverse areas and environmental management in marine parks, tropical agriculture, the tourism industry, human settlements, and the manufacturing and mining industries.

Career opportunities

Graduates find employment in: government departments; universities; private industry including tourism, industrial organisations; or commercial consultancies dealing with environmental planning and management, environmental tourism, monitoring, and impact assessment. Students who perform well at honours level may choose a research-related career path by entering a higher degree program.

Graduates of the Bachelor of Environmental Management (Natural Systems and Wildlife) generally find employment in the private or public sector in: environmental management and compliance; land care; commercial consultancies dealing with environmental planning and management; mine rehabilitation; environmental tourism; and as park rangers, managers and environmental officers with local government.

International contact details

International Student Advisor
 Online: www.uq.edu.au/international/enquiry
 Phone: within Australia (free call): 1800 671 980
 Outside Australia: +61 3 8676 7004

BACHELOR OF FOOD TECHNOLOGY

Program code 2037

Location St Lucia

Commencement semester 1, 2

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Chemistry and Mathematics B (please see page 88 for Queensland Year 12 subject equivalencies)

Honours Available as a modified program of study in year 4, with entry based on grade point average

Program outline

Food technology is the application of food science to the selection, preservation, processing, packaging, distribution, and use of safe, nutritious, and wholesome food. Food scientists and food technologists study the physical, microbiological, and chemical makeup of food. Depending on their area of specialisation, food technologists may develop ways to process, preserve, package, or store food, according to industry and government specifications and regulations.

Placement courses

There is 20-week (one semester) placement in the food industry in the third year, where students gain a taste of working in a food company, and experience food technology in action. Students often gain their first job after graduation with the food company where they spent their industry placement.

Career opportunities

The food industry is a fast paced and technologically advanced field. There are many and varied employment opportunities in the food industry. Graduates from this program find employment in a variety of areas throughout the supply chain which includes (but is not limited to) areas such as: quality assurance, technical sales, production

management, process and product development, research and development, food microbiologist, food standards officer, food technologist.

International contact details

International Student Advisor
 Online: www.uq.edu.au/international/enquiry
 Phone: within Australia (free call): 1800 671 980
 Outside Australia: +61 3 8676 7004

BACHELOR OF VETERINARY SCIENCE

Program code 2036

Location Gatton

Commencement semester 1

Duration 5 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Chemistry, Mathematics B plus either Physics or Biology (please see page 88 for Queensland Year 12 subject equivalencies)

English language proficiency IELTS overall 7.0; writing 6, speaking 7. See page 90 for further details

Honours Awarded based on the weighted percentage of specific courses in the program

Program outline

Veterinary science is the application of medical, diagnostic, and therapeutic principles to companion, domestic, exotic, wildlife, and production animals. Veterinary science is vital to the study and protection of animal production practices, herd health and monitoring spread of disease. It requires the acquisition and application of scientific knowledge in multiple disciplines and uses technical skills towards disease prevention in both domestic and wild animals.

Human health is protected by veterinary scientists working closely with many medical professionals, and through careful monitoring of livestock health and unique training in epidemiology and emerging zoonotic diseases worldwide. Veterinarians assist in ensuring the quality, quantity, and security of food supplies by working to maintain the health of livestock. Veterinary scientists are important in chemical, biological, and pharmacological research.

Placement courses

Students are required to undertake eight weeks of vacation work (in their own time) by the end of their third year of study. Fourth-year students undertake eight weeks of clinical practical work. Final-year students undertake three weeks of specialist practice.

Supplementary information

The School of Veterinary Science has relocated to the Gatton Campus, with classes commencing at the beginning of the 2010 academic year. Students must pass all courses listed for any given semester to be able to progress to the next semester.

Career opportunities

Graduates from the Bachelor of Veterinary Science are employed as veterinary professionals in roles such as:

- urban and rural private practitioners in Australia and overseas
- consultants on aspects of animal production and disease control
- consultants with federal and state governments dealing with the control of animal disease and the efficiency of animal production
- advisors to industry (especially pharmaceutical and biotechnology companies)
- educators and/or researchers with universities and governments.

International contact details

International Student Advisor
 Online: www.uq.edu.au/international/enquiry
 Phone: within Australia (free call): 1800 671 980
 Outside Australia: +61 3 8676 7004



Bachelor of Business Management graduate Melvyn Eio said it was the research skills and practical insights he experienced at UQ that allowed him to differentiate himself from graduates in his home country.

Melvyn said the challenging research and the finest academics in business drew him to UQ to complete his degree.

Melvyn graduated in 2007 and is employed as marketing manager of secured finance at Citibank in Singapore.

“UQ has given me an international and broad perspective of the practical environment and the skills required to thrive in the dynamic economy,” he said.

Melvyn attributes his ability to communicate well during the interview process to class presentations during his study that he says honed his colloquial linguistics and confidence and set him apart from other candidates.

His role at Citibank involves the promotion of the company’s products and services that will most benefit the customers, and to establish credibility through communication in a manner that will optimise the company’s market share and savings, improve the company’s efficiency, help achieve the company’s mission and goals, and result in outstanding customer service.

“My role also encompasses the developing of annual marketing plans, coordinating all advertising for the company and negotiating with print and other media representatives to ensure efficient purchasing of advertising.”

“My employers were so impressed by my unorthodox flow of thought that they entrusted me with a role that typically required candidates to possess a few years of post graduate work experience. Since then, my role has evolved from that of business development to taking charge of all marketing affairs for the department.”

MELVYN EIO
SINGAPORE
BACHELOR OF BUSINESS MANAGEMENT



START YOUR CAREER WITH A WORLD-CLASS DEGREE

World of opportunities

UQ qualifications in business, economics, law, and tourism are recognised internationally and open opportunities for you to work anywhere in the world. UQ graduates can be found in the offices of major investment banks, businesses, consultancy firms, global organisations such as the World Bank, leading law firms, and major hotel chains, where their knowledge and problem solving skills are highly valued.

Vibrant student community

There is always something to do on campus and you can choose to be as involved as you like. In addition to lectures and tutorials some courses offer Peer Assisted Study Sessions (PASS) where you will have the opportunity to review your course content with other students who have completed the course in previous years. To help you prepare for your career and hone to networking skills, profession-

BUSINESS, ECONOMICS, LAW & TOURISM



focused student associations organise career development and social networking opportunities throughout the year.

Start your career in your first year

Our Employment Services team can help you begin planning your career from your first day at uni. The team provides a link between students and employers and organises career related events, career planning workshops, and employer visits. The Faculty of Business, Economics and Law Internship Program will give you the opportunity to obtain valuable on-the-job experience in an industry of your choice; you may even end up with paid employment.

International student support

When you first arrive at UQ, our International Relations Unit will be available to help you settle in. The team can help you with planning your program, organising your timetable, and getting credit for previous study. Throughout your time at UQ you will also have access to face-to-face academic advice to help you on your way to graduation.

UQ graduates with qualifications in the following fields are in high demand from public and private sector employers in areas such as:

- accounting and auditing
- advertising and public relations
- banking and finance
- business management
- commerce
- consulting
- convention and conference management
- corporate communications
- economics and economic theory, history and policy
- electronic business and commerce
- employer and industry associations
- event management
- hospitality management
- human resource management
- industrial relations
- infrastructure development and planning
- international business
- investment and trade
- law
- leisure and recreation management
- market research
- marketing

- negotiation and advocacy
- occupational health and safety
- operations management
- organisational communication and development
- real estate and development
- recruitment consultancy
- stockbroking
- trade unions
- travel and tourism.

Degrees in this discipline

– Business Management	46
– Commerce	46
– Economics	46
– International Hotel and Tourism Management	47
– Laws	47

BACHELOR OF BUSINESS MANAGEMENT

Program code 2059

Location St Lucia

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Mathematics A or any combination of Mathematics A, B or C (please see page 88 for Queensland Year 12 subject equivalencies)

English language proficiency Please refer to *English – alternative tests and scores* on page 91 for English language proficiency requirements

Honours Available as an additional year of study

Program outline

This program is designed for students who aspire to be business leaders and managers of the future. Graduates are equipped with the necessary knowledge, skills and self-confidence to assist in effective and successful management, within constantly changing and highly competitive national and international business environments. Students complete compulsory core courses and can choose a major. A range of electives is also available, including advanced business management courses.

Majors

Advertising

Advertising and media companies are important entities within the business and marketing fields and provide business and employment opportunities for marketing, advertising and media professionals. This major provides students with an introduction to the academic foundations of the advertising and media fields, and to develop the business, analytical and creative skills necessary to the pursuit of careers within this industry. Study of the academic foundations of advertising provides insight into the fundamentals of consumer behaviour, knowledge of which is essential for effective advertising management. Skills and experience in the creative design and development of advertising campaigns is essential to effective creative execution. Knowledge of media planning and buying is crucial, because it forms an important part of implementing advertising strategies. The Advertising major provides graduates with knowledge of each of these aspects of the field, and prepares them with a readiness to pursue careers in this industry.

Business Economics

The Business Economics major equips students with the skills to apply economic analysis effectively in business management contexts. Courses are highly relevant to those planning a career in corporate strategy, marketing, purchasing, production management, financial planning, capital budgeting and human resource management. A range of career opportunities is available for graduates in: public and private sector corporations; banking and financial services; consultancy companies; and government departments.

eBusiness

This major provides students with a strong knowledge and understanding of fundamental eBusiness management principles. Students learn to apply such principles to contemporary business practices. Courses explore the eBusiness environment and its relevance to the general business environment. eBusiness graduates find employment in: Web design and development; online marketing and advertising; online retail/services; and public sector departments and agencies.

Human Resources

The Human Resources (HR) major focuses on all aspects of people management. Courses cover: managing people; employment relations (which provides students with a broad understanding of the nature of Australian and international industrial relations); developing teams; selection and recruitment; organisational change; interpersonal communication; conflict resolution; training and development; managing staff in multinational enterprises; negotiating employment agreements; and leadership. Graduates work as professional HR managers in: the public and private sectors; professional practices such as law firms; trade unions; employer associations; state and federal government departments; HR management consultancies; industrial relations; negotiation and advocacy; and occupational health and safety. A major in HR is advantageous for all employees who work as line managers in all industries.

International Business

This major provides an understanding of the major issues in international business management.

Courses examine: international trade and investment; international marketing; international human resource management; and the management of operations in firms engaged in international business, finance and strategy. Students focus on the challenges encountered by Australian organisations conducting business in regions such as Asia, the European Union and the Americas. Graduates work in a wide range of private businesses looking to expand operations or trading networks overseas. Career opportunities also exist in government agencies and industry or trade associations.

Marketing

The endeavour of marketing is to direct an organisation's activities towards the needs of its external customers by encouraging exchanges of products, services or ideas so that both customers and organisational goals are satisfied. Students develop an understanding of the key concepts underlying marketing practices, while acquiring the skills necessary to embark on professional marketing careers. Graduates work in: marketing positions in medium to large sized businesses; sales and retailing; marketing consultancies; and market research.

Physical Activity

This major provides students with knowledge and skills in areas of physical activity, sport and exercise science and how business management skills may be incorporated into these areas.

Real Estate and Development

This major examines the professional organisations and institutions involved in the property industry, leading graduates to challenging careers within the industry. Students develop their knowledge of business and land economic principles, and can apply these principles to the real world. Courses explore: property law finance and investment; asset management; town planning; and property valuation. Advanced software and computer programs are used to solve business problems relating to land development and management. Graduates find employment in property investment, development, management and valuation.

Sustainability

The Sustainability major equips students with the skills to manage the financial, social and natural environment aspects of a firm's activities in order to achieve sustainable outcomes. The major covers matters associated with emissions trading, corporate social responsibility, communicating for sustainability, strategic management in response to climate change, entrepreneurship and renewable energy technology development. Courses are highly relevant to those planning a career in corporate strategy, sustainable management, business development, corporate communications and international business.

Career opportunities

Depending on their specialisation, graduates find employment in areas such as:

- public relations
- business systems planning
- human resources
- urban and regional planning
- advertising
- marketing
- real estate
- economics
- occupational health and safety
- retail and sales.

Dual degree programs

- Arts
- Commerce
- Economics
- Laws
- Science
- Engineering
- Information Technology
- Education (Secondary)
- Journalism
- Exercise and Sport Sciences

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF COMMERCE

Program code 2024

Location St Lucia

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Mathematics B (please see page

88 for Queensland Year 12 subject equivalencies).

English language proficiency Please refer to *English – alternative tests and scores* on page 91 for English language proficiency requirements

Honours Available as an additional year of study.

Program outline

The Bachelor of Commerce program prepares students for careers in general management, banking, financial management, and accounting and information systems. Graduates are also equipped to work as public accountants in commercial or government administration, or in private practice. Courses focus on accounting, financial planning, decision-making and control in organisations. Students examine the fundamental principles of commerce and the business environment, and learn how to apply business principles to contemporary business practices.

Majors

Accounting

Courses allow students to develop the skills necessary to practise in the accounting profession. Students complete the Accounting major and use their electives to study the necessary prerequisites for associate membership of the key Australian accounting professional bodies, Certified Practising Accountants (CPA) Australia and the Institute of Chartered Accountants in Australia (ICAA).

Business Information Systems

This major is designed for students who wish to obtain education and in-depth training in the analysis, design, implementation and maintenance of computer systems. Courses facilitate the development of information systems skills in a business environment. Students also gain the skills to design, develop and manage computer applications involving accounting data.

Finance

Students undertake courses in financial management, portfolio management, and corporate finance principles including risk assessment and business statistics.

Career opportunities

Graduates work in a range of fields including:

- public sector government departments and agencies (local, state and commonwealth) concerned with economic policy or public accounting/financial auditing
- private sector multinational corporations or local firms as professional accountants, economists or managers
- financial institutions, stockbroking firms and merchant banks as security, economic, investment and business analysts
- public utilities in the fields of transport, communications and power supply
- specialist organisations
- industry associations
- management consultancies
- market research and advertising organisations
- trade unions
- stockbroking and investment advisory services.

Dual degree programs

- Business Management
- Arts
- Economics
- Science
- Laws
- Engineering
- Information Technology

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF ECONOMICS

Program code 2029

Location St Lucia

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Mathematics B (please see page 88 for Queensland Year 12 subject equivalencies)

English language proficiency Please refer to *English – alternative tests and scores* on page 91 for English language proficiency requirements

Honours Available as an additional year of study

Program outline

The study of economics is central to an understanding of business, markets, trade, government policies, international issues, globalisation, health, development, and the environment. This program is designed for students intending to become analysts, advisors,

and economists in the public and private sectors and leads to careers in business, finance, international development, health, human resource management, marketing, management and research.

UQ's School of Economics is Queensland's largest, most experienced and influential economics school. Graduates are equipped to work on important policy and decision challenges in business and government. The program focuses on resource allocation and decision-making. Students can pursue individual interests and professional specialisations through a wide choice of courses. Study areas available include: business economics; economic history; econometrics; environmental and resource economics; financial markets; labour economics; health economics; international trade and development; macroeconomics; and microeconomics.

Majors

Business and Industry

This major concentrates on economic decision-making in the business sector. It covers issues such as managerial economics, industrial and labour economics, the regulatory environment and benefit/cost analysis techniques. Students develop critical skills and understanding applicable to businesses across all sectors and industries. Businesses and industries participating in the rapid pace of international economic integration constantly seek to improve their competitiveness and efficiency. Graduates are equipped to play a central role in any business-oriented enterprise.

International Trade and Finance

This major focuses on the economics and financial systems, mechanisms and emerging issues in an increasingly globalised economy. Students study the key factors and impacts associated with this international phenomenon, along with the management and policy responses of governments and business. Students develop an understanding of the complex nature of economics in the international environment and its close relationship with financial management firms.

Natural Resources and Environment

With the growing awareness at the international, regional, national and local levels of the ecological and economic importance of our diverse natural resources, effective and efficient use of these assets is a significant social and political issue. This major provides the tools of economic analysis for application to problems associated with: the allocation of renewable and non-renewable natural resources, including fish/marine; forests; agricultural and recreational land; river systems; local and global environments; energy and minerals. Students gain analytical abilities that they can apply to challenges facing business, government and the community at large and an understanding of the key issues and trade-offs faced in a world of increasing competition, globalisation and natural resource depletion.

Quantitative Methods

With a strong mathematical and modelling focus, students are provided with the critical scientific techniques to successfully measure, analyse, project and model a diverse set of economic factors and scenarios. Graduates are equipped to facilitate better management decision-making, by providing economic analysis that is scientifically based, verifiable and objective. Courses cover: econometrics; benefit/cost analysis; advanced mathematical economics; business and economic decision techniques; and experimental economics.

Career opportunities

Employment opportunities exist in the following areas:

- education (universities and secondary schools)
- financial institutions, stockbroking firms and merchant banks
- international organisations (Asian Development Bank, World Bank, International Monetary Fund, World Health Organisation) providing policy advice and expertise for economic development and infrastructure projects
- private sector multinational corporations and local firms
- public sector government departments and agencies (local, state and federal) in economic policy, regulation, finance or public accounting
- public utilities in the fields of transport, communications and power supply
- training and management development
- business law
- industrial relations
- information technology
- specialist organisations, such as industry associations, management consultancies, market research/advertising organisations, and trade unions.

Dual degree programs

- Business Management
- Commerce
- Engineering

- Arts
- Science
- Laws

International contact details

International Student Advisor
Online: www.uq.edu.au/international/enquiry
Phone: within Australia (free call): 1800 671 980
Outside Australia: +61 3 8676 7004

BACHELOR OF

INTERNATIONAL HOTEL AND TOURISM MANAGEMENT

Program code 2194

Location St Lucia

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Mathematics A or any combination of Mathematics A, B or C (please see page 88 for Queensland Year 12 subject equivalencies)

English language proficiency Please refer to *English – alternative tests and scores* on page 91 for English language proficiency requirements

Honours Available as an additional year of study

Program outline

Graduates of the Bachelor of International Hotel and Tourism Management (BIHTM) are in strong demand by employers in both Australia and overseas. The BIHTM contains a range of compulsory professional learnings, such as Asia-Pacific Cultures and Tourism, International Hotel Management and International Gaming Management. Students are also instructed in fundamental business principles, ensuring that graduates have a solid grounding in areas such as management, marketing, human resources and finance.

Supplementary information

Opportunities exist for students in any major to undertake workplace shadowing programs in industry, a field studies based course, and a number of international exchange programs.

Majors

Commercial Recreation and Sport

Traditional tourism and hospitality offerings are increasingly being confronted with the changing nature of consumer demand. Research suggests that the visitor experience is becoming more important to the consumer than is the actual destination. In such a changing business environment, leisure attractions, commercial recreation services and sports events are increasingly being used by the tourism and hospitality sectors to enhance the visitor experience. The relatively recent focus on the use of sports tourism and commercial recreation to leverage other benefits for the tourism and hospitality industry is a clear case in point that the sector is fast moving towards an experience economy. As such, the Commercial Recreation and Sport major is designed to introduce students to the diverse range of management issues and processes related to the operation of commercial recreation services, sport operations and leisure attractions in the current global tourism environment.

Event Management

Globally, business, sporting, cultural and other events play a significant role in society and make a considerable contribution to the economic development of a region. The Event Management major prepares students to enter the event sector by providing a suite of interrelated courses that identify and explore key factors in the successful development, operation and management of events. Students develop a broad understanding of event management processes and strategies, while developing specific workplace skills that are relevant within a variety of professional contexts such as tourism and hospitality.

Hotel Management

Hospitality is both a significant sector of the wider tourism industry and an industry in its own right. This major provides a suite of courses that cover the essential skills and knowledge to enter this sector. Hotel and resort management, food and catering management, gaming management and service delivery are all examined. Students develop a broad understanding of hotel management processes and strategies, while developing specific workplace skills that are relevant within a variety of professional contexts.

Tourism Management

Tourism is Queensland's, and indeed one of the world's, most important industries, and this major

focuses on this industry by providing a suite of courses that cover the essential skills and knowledge required to enter the profession. Tourism destination marketing, planning and policy, visitor behaviour, travel and tourism management, sustainability and ecotourism policy, and physical, economic and social tourism impacts are all examined.

Career opportunities

Graduates can expect to find employment in areas such as:

- conferences and conventions centres
- hospitality training and consultancy firms
- hotels and resorts
- institutional hospitality management
- performing and visual arts complexes
- private event enterprises
- state, regional and local tourism organisations
- tourism and hotel consultancies.

Dual degree programs

- Arts

International contact details

International Student Advisor
Online: www.uq.edu.au/international/enquiry
Phone: within Australia (free call): 1800 671 980
Outside Australia: +61 3 8676 7004

BACHELOR OF

LAWS

Program code 2042

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

English language proficiency IELTS overall 7; writing 7; speaking 7 (for IELTS and other proficiency language requirements see section 3.40.14 of The University of Queensland Handbook of University Policies and Procedures – www.uq.edu.au/huppp). See pages 90-91 for further details

Honours Available as part of the standard program awarded based on grade point average

Program outline

The Bachelor of Laws (LLB) provides students with a comprehensive and deep understanding of legal principles and institutions that is distinguished by its rigour, depth and conceptual sophistication.

The program provides students with an education in the law that includes a thorough understanding of the concepts, principles, policies and values that underpin and permeate the law both in Australia and in other jurisdictions, as well as a critical and reflective attitude to the law, and, more generally, a capacity for sustained critical analysis, thought and argument.

The LLB fulfils the academic requirements for admission as a legal practitioner throughout Australia. Students from Singapore or Malaysia may use the LLB to directly fulfil the academic qualifications required for admission to the legal profession in their home country. Students from other countries, once admitted in Australia, may only need to complete limited conversion modules to also be eligible for admission in their home country.

Supplementary information

Honours graduates are encouraged to apply for scholarships enabling them to do postgraduate study at overseas universities such as Oxford, Cambridge, Harvard and Yale.

Career opportunities

UQ law graduates enjoy exceptional success in the employment market. Most law graduates enter into private practice as a barrister or solicitor. Others work as corporate lawyers for large firms, legal officers in the public service, community lawyers or in any one of a wide range of positions in the areas of accounting, education, foreign affairs, industrial relations, management, politics or taxation.

Dual degree programs

- Business Management
- Commerce
- Economics
- Arts
- Journalism
- Science

International contact details

International Student Advisor
Online: www.uq.edu.au/international/enquiry
Phone: within Australia (free call): 1800 671 980
Outside Australia: +61 3 8676 7004



Gala Carla Munguia Delgado came from Mexico to study a Bachelor of Engineering (Chemical) at UQ based on a friend's recommendation of Australia as a great place to live.

"Engineering is very versatile and that's what I like about it, and chemical engineering can be applied to everything that needs to be produced," says Gala. "You can work as a chemical engineer in any industry."

Before her final exams were over, Gala had a job offer with the engineering company Hatch, in Brisbane.

"My role is as a process engineer in the Non-Ferrous Business Unit and my responsibilities vary depending on the project and they could vary from process calculations, report writing, research to flow sheet development," she said.

She says the hands-on aspect of her degree helped her make sense of the theory, and that there is strong demand for graduates in her field.

When asked about the advice she would give others considering studying at UQ, Gala says it is an opportunity that you will never forget.

**GALA CARLA MUNGUIA DELGADO
BACHELOR OF CHEMICAL ENGINEERING**

BUILD THE STRONGEST FOUNDATION FOR YOUR CAREER

UQ offers you a wider range of quality resources and specialisations and access to more award-winning teachers, degree programs and researchers than any other university in Queensland.

Strong links with industry, government and international partners ensure our programs are world-class, industry relevant, and provide you with opportunities for work-integrated learning to help you develop relationships with potential employers in the years prior to graduation.

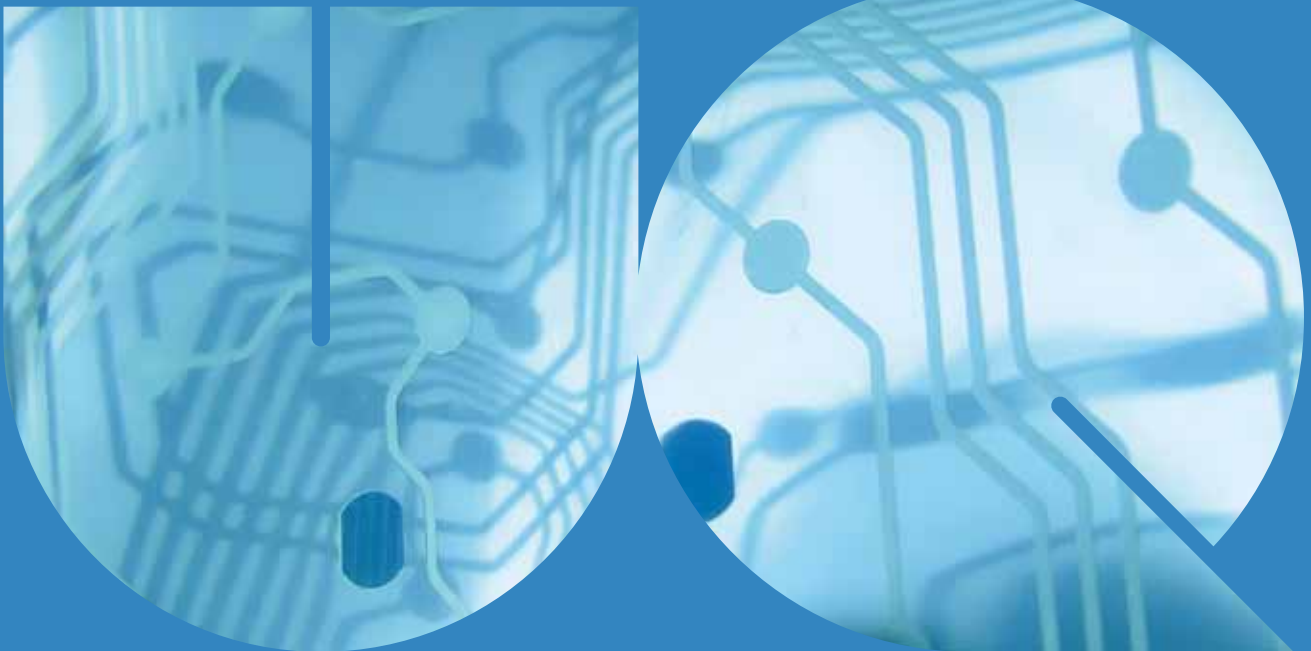
Leading professional programs

Our nationally and internationally accredited Bachelor of Engineering (BE) offers one of the largest ranges of engineering disciplines in Australia, some of which are unique to Queensland, such as Mining, Materials, Chemical and Metallurgical Engineering. Our Information and Communications Technology programs offer a comprehensive range of studies in hardware, software and multimedia design, reflecting the diverse and changing needs of industry. UQ Architecture is recognised internationally as a premier school of architectural design. Our professional programs feature collaboration between staff and students on real world design projects supported by newly refurbished studios and laboratories.

Excellence in teaching

Academic staff within the disciplines of engineering, architecture and ICT are internationally recognised as providing world's best practice in teaching and learning in undergraduate education, all while leading pioneering research programs. Our teachers are experts in their field and as a result, teaching material integrates world-class research and is relevant to the needs of industry.

ENGINEERING, ARCHITECTURE & INFORMATION TECHNOLOGY



Practical industry experience

We know that the requirements of industry are constantly changing. Our programs are responsive to industry and will provide you with practical experience through site visits, vacation work and industry placements. Industry placements not only provide an authentic experience of professional practice, but will also provide you with valuable opportunities to develop relationships with future employers.

The employment edge

Our programs will give you the necessary skills, knowledge and industry experience to begin a rewarding profession, and the ability to respond to ongoing change in industry. In addition to technical knowledge, our degrees produce graduates with the professional skills needed to solve problems, lead and communicate. Many graduates have gone on to senior positions all over the world as the reputation of UQ ensures our graduates are highly sought after by employers in industry and research institutions within Australia and overseas.

Graduates in these disciplines contribute to all areas of industry and society, and employment prospects are excellent. Careers are available in a range of private companies and government organisations in areas such as:

- architecture
- biomedical and pharmaceutical development
- commercial development
- computing and telecommunications
- construction and housing
- consulting
- engineering
- environment reserves and tourist centres
- manufacturing
- minerals processing
- mining
- power generation and transmission
- product design and development
- public utilities
- research
- satellite and spacecraft technology
- software development
- statutory bodies
- transport.

Degrees in this discipline

– Architectural Design	50
– Engineering	50
– Information Technology	52
– Multimedia Design	55

BACHELOR OF ARCHITECTURAL DESIGN

Program code 2293

Location St Lucia

Commencement semester 1

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Available as an additional year of study

Program outline

The Bachelor of Architectural Design (BArchDes) is the first stage of obtaining a professional qualification in Architecture. The BArchDes provides the basis on which students can progress to the professional Master of Architecture. Architecture is a dynamic and demanding profession, making a positive contribution to the shaping of our built environment and our culture. The essential skill of an architect is the ability to design buildings and spaces with an inherent concern for human living and working environments.

Career opportunities

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

Professional memberships

Accreditation of the Bachelor of Architectural Design and Master of Architecture programs is jointly provided by the relevant State/Territory Architects Registration Board and The Australian Institute of Architects through the Architects Accreditation Council of Australia (AACAA).

Additional cost

- Books, technical notes etc (approximately \$150)
- Consumables, paper, pens etc (approximately \$100–200)
- Drawing board and equipment (approximately \$600–700)

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF ENGINEERING

Program code 2001

Location St Lucia

Commencement semester 1, 2

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Mathematics B, plus one of Physics or Chemistry (please see page 88 for Queensland Year 12 subject equivalencies). Both Chemistry and Physics are recommended

Honours Available as part of the standard program awarded based on grade point average

Program outline

UQ offers the largest choice of engineering programs in Queensland, with a large number of distinct majors and double majors. The flexible curriculum equips students to work in both established and newly emerging areas of engineering. Students develop their understanding by applying basic science and engineering principles to engineering problems of commercial importance. In addition to technical expertise, the program emphasises essential workplace skills such as communication, teamwork, project management, problem-solving and lifelong learning. The UQ engineering degree is widely accredited and respected, and equips students to work both in Australia and overseas.

The range of options available through majors, dual and extended majors, minors or dual degrees, gives students the flexibility to pursue fields of study to the depth or breadth of knowledge required. Dual majors and minors are a set of courses that takes advantage of elective provisions within the program, thereby not lengthening the program duration. Extended majors offer a more concentrated program of study, while minors offer study in an area of engineering study additional to but complementary with the major. These study alternatives give students a competitive advantage in achieving their career aspirations. Most engineering majors can be undertaken as double majors or with a dual degree. With the majority of majors, students can also choose an additional minor (options are detailed in the individual majors outlines).

Placement courses

Students must complete of 60 days of Engineering Professional Practice to satisfy the requirements of Engineers Australia.

Majors

Chemical Engineering

Chemical engineers invent, design, and manage products and processes that transform raw materials into valuable products using the latest knowledge of biology, chemistry and physics to ensure minimum loss of materials and consumption of energy. This value-adding must be safe, economical and environmentally sound. It is a rapidly changing profession with chemical engineers working at the cutting-edge of fields such as molecular biology, nano-materials and chemistry, physics, mathematics and information technology. Chemical engineers design both products and the processes needed for their commercial-scale production. They also manage operation and optimisation of these processes to produce such products as petrol, plastics, instant coffee, pharmaceuticals, and artificial blood.

Chemical and Biological Engineering

Engineering combines quantitative analysis and synthesis to elucidate system design principles. Through the genomics revolution engineers can now begin to tackle biological problems using the same "measure, model, and manipulate" approach they have applied to physics and chemistry. Applying this system approach is widely recognised as

essential not only for the development of innovative biotechnologies but also to yield fundamental scientific understanding of biological systems.

As the ability to modify and control biological systems increases, biological processes will replace chemical and mechanical processes due to their inherent advantages of renewable resources, mild operation conditions and minimal waste problems. Early signs of the change are seen in the high-value pharmaceutical industry, and also in the production of bulk chemicals such as lysine by fermentation and in bioleaching of copper and gold from mineral ore. Advances in our understanding of and ability to mimic biological systems are also inspiring completely new approaches, such as nanotechnology and tissue engineering, which will form the foundation of new industries of the 21st century.

Chemical and Materials Engineering

Graduates will be fully qualified chemical engineers and materials engineers. Chemical engineering is the design, management and optimisation of processes that turn raw materials into valuable products, using the latest knowledge of biology, chemistry, physics and mathematics, integrated with engineering principles and economic consideration. Chemical engineers ensure economic viability, and a minimum loss of materials and consumption of energy, while maintaining safety and environmental standards. This major also applies knowledge within team-based project work. Students tackle real world issues sourced from industries and the latest research. Materials engineering is concerned with the selection, processing and development of materials to design and make products. Materials – metals, alloys, ceramics, polymers and composites – give manufactured products their functional and aesthetic qualities. Materials engineers apply their knowledge of materials behaviour to optimise processing and improve the properties of products. They are also involved in controlling the service behaviour of materials; improving the performance of machines and structures.

Chemical and Metallurgical Engineering

Metallurgical engineers play a key role in ensuring the sustainability of our modern society. Everything in our material world, even our major energy sources, is derived from minerals or recycled materials. It is the role of the metallurgical engineer to develop, design and operate processes that transform these low value raw materials into useful high value mineral and metal products.

The dual major in Chemical and Metallurgical Engineering provides the best of both worlds – a broad education in chemical engineering combined with more specialist metallurgy courses. The program for the dual major has been designed for maximum commonality with the chemical engineers program, particularly in the first two years of the program. Elective courses in chemical engineering can be counted towards the dual major.

Civil Engineering

Civil engineers provide for people's needs, and are expert in planning, designing, constructing and maintaining facilities that contribute to contemporary life. They understand the way in which natural phenomena behave, including water and wind, and how buildings of all kinds are able to resist loads. They work with buildings, bridges, roads, harbours, dams, airports, coastal protection, water supply and public health. Civil engineers apply their theoretical knowledge to produce efficient and economic facilities that are aesthetically pleasing and satisfy society's needs. They have an aptitude for mathematics and physics and a desire to meet environmental and technological challenges. Students can study in the areas of structural engineering, hydraulic engineering, transportation engineering, geomechanics, hydrology and public health engineering, or management, construction and economics. Civil engineers provide expert financial and technical advice, and plan and coordinate projects from concepts through to completion.

Computer Systems Engineering

Most of the world's computers are embedded computers – computers that are hidden within cars, appliances, digital cameras, MP3 players, phones and other devices. Computer systems engineering is concerned with the design and management of computer-based systems, including embedded systems and more conventional computers such as PCs. Computer systems engineers have skills and knowledge in digital logic design, computer networks, embedded and desktop operating systems, microcontroller selection and programming, electronics, telecommunications and signal processing.

This major prepares students to work in innovative environments, designing cutting-edge products for the information and communication industries. Strong emphasis is given to practical hands-on experience with high technology equipment. Team and individual projects are a strong focus of the program, an approach valued by employers. Students can also include a minor in biomedical or telecommunications engineering.

Computer systems engineers typically work in: telecommunications; signal and image processing; robotics and intelligent systems; embedded systems development; electrical power generation; transmission and distribution; and biomedical engineering, including biomedical imaging and signal processing for biomedical applications.

Electrical Engineering

Electrical engineering is concerned with electrical and electronic devices and systems. Electrical engineers work with equipment ranging from heavy power generators to tiny computer chips. Their work contributes to almost every sector of society, for example: home theatre entertainment systems, mobile phones, digital cameras and television to enhance our lifestyle; medical imaging systems for improved health care; electrical appliances for homes; scientific instruments for laboratories; lasers for reliable high speed communication; handheld multimedia devices to provide information on the move; satellite systems for remote sensing of the environment; and reliable mobile and fixed energy systems to power all of these. Electrical engineers usually work in one of six speciality areas: power generation and transmission; electronics; computers; communication systems; instrumentation and measurement; and automatic controls. Career opportunities are found in the telecommunications industry, mining and transport sector, computer industry, or in power generation and transmission industries. They are also employed by electronics companies, both large and small. Many graduates form their own companies quite early in their careers.

Electrical and Aerospace Engineering

Electrical and aerospace engineering combines a full single major in electrical engineering with additional specialist study and specialist project work in the aerospace and aviation industry.

Electrical engineers design, build, operate and maintain much of our electronics and energy infrastructure, such as: the Internet; home theatre entertainment systems; mobile phones; digital cameras; television; medical imaging systems; electrical appliances for homes; scientific instruments for laboratories; lasers for reliable high speed communication; satellite systems for remote sensing of the environment; and reliable mobile and fixed energy systems to power all of these. In addition to this, avionics and aerospace students are specifically equipped with extra skills to design the electronics in modern aircraft and airport systems.

Electrical and Biomedical Engineering

New discoveries and developments in biology and medicine have led to the rapid change and growth of biotechnology research and industry. Biomedical engineering bridges the gap between technology, medicine and biology. It integrates physical, chemical, mathematical and computational sciences and engineering principles with the ultimate aim of improving health care.

This major commences with a broad foundation of preparatory courses in engineering, mathematics, biology and physics, followed by more advanced coursework and laboratory training, combining engineering analysis and design techniques with biology and physiology of cells and organisations. The program is project focused, including a full-year project in fourth-year to develop individual design and research skills, an approach valued by employers.

Graduates of biomedical engineering may be involved in the design, construction and development of health and monitoring devices and computers, diagnostic systems and therapeutic systems. They may also work with models of physiological function and prosthetics and implants.

Environmental Engineering

Environmental Engineering is available as an extended major only. Environmental engineering has developed as a distinct stream of the engineering profession, and is a multifaceted, challenging and dynamic profession. Environmental engineers consider the environment at the design stage of project development. They predict the effect of human activities on the environment, use their design skills to minimise environmental impact, and promote sustainable development. The challenge for graduates is to create innovative solutions to problems. As the basis for a sustainable future, these solutions must satisfy strict new legislation, be cost effective in the long term, and be acceptable to the public. Environmental engineers work with consulting engineers and processing companies both in Australia and overseas. Graduates are also employed by government departments and agencies.

Mechanical Engineering

Mechanical engineers design and manufacture power plants, machinery and equipment for industry, and are expert in producing energy and converting it to other forms. They work closely with industrial engineers and managers in many fields to design innovative machinery and systems that yield economies in production. They may design turbines, earthmoving machinery, food processors, air-conditioning and refrigeration systems, artificial hearts and limbs, and engines for aircrafts or automobiles. The demand for mechanical engineers is increasingly broad, as new industries emerge, and old industries take advantage of automation developments and new sources of energy. Mechanical engineers work in a range of areas, from very large mining, refining, construction and manufacturing companies to small or self-owned companies. Graduates are also employed by government departments, private building services, and consulting engineering companies.

Mechanical and Aerospace Engineering

Mechanical and Aerospace Engineering is available as a dual major only.

Mechanical and Aerospace Engineering is based on the Mechanical Engineering major. Students can then choose to take specialised courses primarily in either the aeronautical or space area. Aerospace engineering is concerned with the design, manufacture and operation of aircraft, launch vehicles, satellites, spacecraft and ground support facilities. It is a particularly challenging discipline because of the need for lightweight and extremely reliable designs. This requires students to make use of cutting-edge technology and design methods. Aerospace engineering projects tend to be multidisciplinary in nature because of the scientific content of many of the payloads and the complex thermo-physical aspects involved in operations such as hypervelocity atmospheric flight. All workers in this field must be adept at incorporating technology from outside their immediate specialty. Graduates will be qualified as mechanical engineers and will have an understanding of key issues in the field of aerospace engineering.

Mechanical and Materials Engineering

Graduates will be fully qualified mechanical engineers and materials engineers. Mechanical engineers design and manufacture power plants, machinery

and equipment for industry, and are expert in producing energy and converting it to other forms. They may design turbines, earthmoving machinery, food processors, air-conditioning and refrigeration systems, artificial hearts and limbs, and engines for aircrafts or automobiles. The demand for mechanical engineers is increasingly broad, as new industries emerge, and old industries take advantage of automation developments and new sources of energy. Materials engineering is concerned with the selection, processing and development of materials to design and make products. Materials – metals, alloys, ceramics, polymers and composites – give manufactured products their functional and aesthetic qualities. Materials engineers apply their knowledge of materials behaviour to optimise processing and improve the properties of products. They are also involved in controlling the service behaviour of materials and improving the performance of machines and structures.

Mechatronic Engineering

Mechatronic engineering is one of the newest branches of engineering, and has applications to every sector of society. Mechatronic engineers integrate precision mechanical engineering with electronics, computer systems, and advanced controls, to design and construct products and processes. Microscale sensor and actuator technologies are developed and applied to create intelligent consumer products. Mechatronic engineers are in great demand as industries seek to apply evolutionary advances in computers, electronics, sensors, and actuators to improve their products, processes and services. Graduates have the knowledge and skills to design and build advanced products such as: robots and machine tools; scientific instrumentation; and high performance automatic suspension and braking systems. Mechatronic engineers are employed by product developers and manufacturers, the mining industry, the aerospace and defence sectors, in self-owned companies and by government and industry research groups. Graduates are in demand wherever there is potential to improve how computer and electrical hardware is integrated with mechanical systems.

Mining Engineering

Mining engineering is the extraction of valuable ores from the ground for processing and use. It involves all phases of mining operations, from exploration and discovery, through to feasibility, development, production, processing and marketing, and to final land restoration and rehabilitation. Responsibility for the development and production phases of a mine requires a broad knowledge of all mining operations and skills in leadership and industrial relations. Graduates are employed by mining companies, initially at the mining centres where minerals are extracted. With experience, mining engineers progress to senior managers or technical specialists, mine inspectors and advisers to government bodies. Many are employed by international companies, and gain overseas experience. Mining engineers are also employed by civil engineering companies to supervise tunnelling and open-cut operations for railways, roads, hydroelectric and sewerage works.

Software Engineering

Software engineering is the systematic approach to developing, operating, maintaining and retiring software, which is the controlling element of computer-based systems. As society becomes ever more dependent on computers, one of the biggest challenges is the creation of new software necessary to make computers useful. Software engineering deals with the challenges associated with large-scale, high-quality software: size and complexity, cooperation between developers, clients and users, and evolution of software over time to maintain its value. Software engineers use principles of computer science, engineering, design, management, psychology, sociology and other disciplines to design and manage large software systems. Team and individual projects are a focus of this major, an approach valued by employers.

Software Systems and Aerospace Engineering

Software Systems and Aerospace Engineering combines a full single major in Software Engineering with additional specialist study and specialist project work in the aerospace and aviation industry.

Software engineering is the systematic approach to developing, operating, maintaining and retiring software, which is the controlling element of computer-based systems. Software engineering deals with the challenges associated with large-scale, high-quality software. Software engineers use principles of computer science, engineering, design, management, psychology, sociology and other disciplines to design and manage large systems.

In the aerospace industry, systems such as aircraft are a mixture of electronics, software and mechanical devices that need to operate at exceptional levels of safety and reliability. This major includes a strong component of systems engineering, which allows designers to describe and understand such complex systems.

Career opportunities

The UQ engineering degree is highly regarded and employment prospects are excellent. Engineers find employment as consultants, in the government, and in many areas of business and industry. Detailed information about employment opportunities for different engineering specialisations is found in the Engineering Prospectus.

Dual degree programs

- Arts
- Business Management
- Commerce
- Economics
- Science
- Biotechnology
- Information Technology

Additional cost

- Safety boots (AS2210) (up to \$140)
- Senior First Aid Certificate (including CPR) (approximately \$155)
- Hard hat (AS1801) (\$15)
- Safety induction program (\$40 with group, or \$80 individual)
- Travel and living expenses associated with vacation work, fieldwork or work experience

International contact details

International Student Advisor
Online: www.uq.edu.au/international/enquiry
Phone: within Australia (free call): 1800 671 980
Outside Australia: +61 3 8676 7004

BACHELOR OF INFORMATION TECHNOLOGY

Program code 2230

Location St Lucia

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English. Mathematics B is compulsory for admission from 2011 onwards (please see page 88 for Queensland Year 12 subject equivalencies)

Honours Available as an additional year of study

Program outline

Students study information and communications technology (ICT) for a variety of reasons – to be computing professionals, to use ICT to be better scientists, or to empower themselves to better understand the technology behind many of today's careers. Increasingly, employers see an ICT qualification as a sign of academic well-roundedness. ICT drives innovations such as the human genome project, vaccine research, environmental modelling, and games design. Emerging areas include electronic security, earth simulation (related to the mining boom) and bioinformatics. Independent job market surveys show that demand for graduates is escalating, along with salaries. Industry is concerned about a shortage of talent.

The Bachelor of Information Technology (BlinfTech) builds on a solid foundation in software and hardware and through flexible study plans allows students to specialise if desired. With teaching informed by the latest research, the program is project focused. Students study programming languages, algorithms and information structure, and develop the ability to process data or information in order to solve problems. Besides technical skills, students learn team dynamics, presentation skills and project management. There is significant industry input and opportunities for industry placements and internships. It is possible to gain credit for industrial certification courses licensed by major commercial software developers.

Supplementary information

Industry-sponsored scholarships and prizes are available. Details are available in the Information and Communications Technology prospectus and on the School of Information Technology and Electrical Engineering website (www.itee.uq.edu.au).

Majors

Bioinformatics

The extended Bioinformatics major prepares BlinfTech students for a career in the computing behind biology. The extended major includes the necessary programming and computer science background, as well mathematical and biological electives necessary to enter emerging industrial or research applications of bioinformatics.

Computer Systems and Networks

This major gives students a strong background in understanding how software is controlled on one or many computers, including security, networking and operating systems. It is a strongly technical major, requiring strong conceptual and programming skills. Courses focus on programming, computer architecture, computer networks, networks programming, operating systems, distributed computing, systems security, as well as distributed software applications involving Internet applications and ubiquitous computing applications. Graduates can look forward to careers in security, design of new cutting-edge computer systems and integration of large-scale systems based on networked machines.

Enterprise Information Systems

Business applications of computers demand a combination of IT and business skills. The Enterprise Information Systems extended major provides students with both: a strong foundation in designing enterprise-wide and multi-enterprise information systems, and a range of business electives to complete their degree.

Games Modelling

Games development is a big local industry but demand for graduates is limited to those with top coding skills. This major develops graduates for a career in developing high-end games and similar software with hard-core technical skills to succeed as a games developer, but sufficient general skills to be able to work in any area of software development. Courses include mathematics, physics, 3D graphics and C++ programming.

Health Informatics

The Health Informatics extended major gives graduates an understanding of the collection, storage, retrieval, communication, and optimal and responsible use of health related data, information and knowledge. It also gives graduates the skills to promote effective and efficient health care, policy and planning through being able to interact productively with health informatics professionals. Employment areas include: public and private hospitals; community health centres; large group practices; government; health departments; research organisations; commercial companies; and universities.

Human-Computer Interaction

The Human-Computer Interaction major develops knowledge and skills in human-centred design of ubiquitous computing systems. Course material covers networks, operating systems, interaction design, social computing, mobile computing and a physical computing design studio.

Information Security

The Information Security extended major provides students with a broad background in the increasingly important field of computer and network security. Areas covered include cryptography, secure Internet protocols, and Web services security, as well as broader, non-technical issues such as national security and intelligence.

Scientific Computing

Scientific computing covers a range of mathematical applications of computers, including traditional sciences like physics, but is increasingly applicable to emerging sciences, such as bioinformatics, as well as in modelling of the real world, such as weather prediction. This extended major prepares graduates for a career in solving scientific problems, modelling, simulation and visualisation. Students develop strong mathematical and programming skills, with a range of electives designed to allow choice of application areas.

Software Design

This major is aimed at students who wish to follow a career in the creation and management of software applications. Courses in this major focus on: programming; software engineering; project management; requirements analysis; specification; the software process; software applications involving Internet design; human-computer interaction; algorithms; data structures; and concurrency.

Software Information Systems

This major is designed for students who wish to pursue a career in developing and managing database-oriented information systems. Students learn about cutting-edge approaches to large-scale database design, including systems that span multiple organisations.

Career opportunities

Graduates find employment in a range of organisations. Some specific careers available include:

- computer programmer
- software consultant
- information technology applications specialist
- computer science researcher
- systems analyst
- systems developer
- systems designer
- systems software programmer
- systems architect
- software designer
- software engineer
- project manager
- technology manager.

Dual degree programs

- Business Management
- Commerce
- Engineering
- Science
- Arts

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF MULTIMEDIA DESIGN

Program code 2221

Location St Lucia

Commencement semester 1

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English. Mathematics A or B recommended (please see page 88 for Queensland Year 12 subject equivalencies)

Honours Available as an additional year of study

Program outline

The Bachelor of Multimedia Design is a studio-based program that provides students with the knowledge and skills to become the designers, architects and implementers of highly sophisticated multimedia projects. Whether it is building a corporate presence on the Web or designing new formats for interactive television, multimedia design is central to creatively engaging an audience.

The key focus of the program is on the integration of theory and technology and their practical application in design projects. Areas include animation, graphic design, sound production, 3D modelling, Internet authoring, game design and interactive media design. An important feature of the program is its focus on teamwork and team projects undertaken in a studio environment. Students can also gain credit for industrial certification courses licensed by major commercial software developers.

During the program, students build a portfolio of many different projects and often undertake projects with industry-based clients. In particular, final-year students have the opportunity for advanced study and research projects with significant industry partners through UQ participation in the Australasian Cooperative Research Centre for Interaction Design (ACID), which is investigating new forms of human interaction with emerging technologies. Graduates are in demand within the education, arts and commercial industries, which want to engage audiences, and demand for this level of expertise is increasing worldwide.

Career opportunities

Career opportunities exist in creation, development and technology management roles in interactive media, in:

- advertising
- instructional design
- business promotion
- training
- online entertainment industries
- integration of telecommunications systems
- computer networks
- broadband interactive online networks
- integrated computer and communication infrastructure for global networking
- video games design.

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004



Bachelor of Applied Science (Human Movement Studies – Exercise Science) graduate April Bennetts from Alachua, Florida, in the United States of America, was attracted to UQ by its reputation.

“It [UQ] gave me a well recognised degree and a theoretical background to work in the real world,” she said.

UQ had everything she wanted in a university, and studying in Australia gave her a different perspective on life.

Months before she had graduated she was offered a full-time job as a Wellness Coordinator at Brisbane City Council. She is now working as a Program Officer for the Council’s 10,000 Steps initiative. The program encourages people to use a step-counting pedometer to track their daily physical activity levels and improve their general wellbeing.

“My career aspirations are to have my own company in the health and wellness industry,” she said.

She lists as among the highlights of her time at UQ the constant application and use of health promotion courses in the “real world”, as well as the knowledgeable lecturers in the field of exercise science and health promotion.

APRIL BENNETTS
BACHELOR OF APPLIED SCIENCE
(HUMAN MOVEMENT STUDIES – EXERCISE SCIENCE)

A CAREER DEDICATED TO IMPROVING LIVES

UQ has a well-recognised reputation, in Australia and around the world, for producing top quality health graduates. Here are some of the reasons to choose Health at UQ in 2011.

Outstanding career prospects

A national and international shortage of health professionals means job prospects in health care have never been better. With a UQ health degree you will be highly regarded by employers. UQ health graduates enjoy an employment rate of close to 100 percent, and many become leaders in their field. At UQ you will study alongside Queensland’s top students and other high achieving students from around Australia and the world.

Excellent teachers

Award-winning teachers continue to develop innovative, outcome-driven methods to prepare the next generation of health professionals. UQ health educators have received prestigious national teaching awards for the last three years, contributing to UQ’s title as the most awarded university in Australia for teaching. Many of our health educators are leading practitioners who choose to combine teaching with professional practice and important research.

Experienced, job-ready graduates

All undergraduate health students undertake clinical (working with patients) or industry placements in a wide variety of healthcare organisations. At UQ, health students:

- learn evidence-based health practice
- experience a problem-based learning approach, applying their knowledge to real life health scenarios

HEALTH



- benefit from a close, long-term relationship with major private and public healthcare facilities, where they gain extensive experience
- can gain clinical experience in the University's own professionally supervised and equipped therapy clinics.

Leading research and learning

- Health students benefit directly from a high-impact research environment. At UQ:
- many researchers have made internationally recognised discoveries in their field
 - many leading researchers, such as cervical cancer vaccine co-creator Professor Ian Frazer, also teach students
 - students benefit from learning in this cutting-edge environment
 - health researchers are working across all major fields of health.

Teamwork preparation

UQ is a leader in interprofessional education, which prepares graduates to work effectively with other health professionals. An Australian-first initiative at UQ involves students from different health disciplines in teamwork projects. First-year health students are introduced to teamwork by competing in a fun Healthcare Team Challenge event, which UQ held for the first time in 2008.

Career opportunities in health continue to evolve, ensuring a constant demand for graduates. Excellent employment opportunities are available in the public and private sectors and include:

- audiology facilities
- biotechnology industry
- consultation services
- dental and oral health sectors
- drug development and research
- exercise/sports science facilities
- health research sector
- hospitals
- international aid agencies
- medicine
- nursing homes
- nutrition and dietetics sector
- non-government health and welfare organisations (for example, National Heart Foundation)
- government and community health services and clinics
- pharmacies
- public health planning, research and promotion units
- psychiatric clinics and hostels
- rehabilitation units (medical, vocations, psychiatric)
- schools
- sports development or coaching facilities.

Degrees in this discipline

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BACHELOR OF DENTAL SCIENCE

Program code 2257

Location Herston

Commencement semester 1

Duration 5 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Mathematics B, and one subject from Biological Science, Chemistry or Physics (Chemistry recommended) (please see page 88 for Queensland Year 12 subject equivalencies)

Additional entry requirements Evidence of status of blood-borne viruses (Hepatitis B, Hepatitis C, HIV) and comply with School guidelines. Blue Card (Working with Children Check) prior to commencing placements/practicums. Current Senior First Aid Certificate (including CPR). Please note, international applicants are required to sit the International Student Admissions Test (ISAT). For information on ISAT, see the Australian Council for Educational Research (ACER) website (www.acer.edu.au/isat)

English language proficiency IELTS overall 7 and 7 in each subband. Subject to final approval. See page 90 for further details.

Honours Available as a modified program of study in year 4 and 5, with entry based on grade point average

Program outline

The University of Queensland Dental School has been graduating dentists since 1937. It is the oldest and most established dental school in Queensland and has been located at Turbot Street, in Brisbane's CBD, since 1941. In 2012, the School is scheduled to move to the new Oral Health Centre at the UQ Herston campus. The Centre will be Australia's largest and most advanced tertiary oral health facility, combining research, education, training, and specialist expertise in patient care. Teaching facilities will include clinical simulation areas, pre-clinical laboratories, lecture/seminar rooms, and research laboratories.

The Bachelor of Dental Science (BDSc) program has been accredited by the Australian Dental Council and provides students with the opportunity to spend their final year in Queensland Government dental clinics throughout the State, as well as in the new Oral Health Centre, enabling them to extend and further develop their clinical skills and experience before graduation.

The program provides students with the knowledge, skills and attitudes required to become competent practitioners of dentistry. These include the application of scientific principles to the prevention, diagnosis and treatment of oral diseases and abnormalities. Students are introduced to dental practice and oral rehabilitation in first-year and also undertake courses in oral biosciences and biomedical foundations in oral health. The remaining four years of the program involve three years of applied dental science and one year of extramural clinical practice (35 weeks). Clinical work commences in second-year and is broadened in the third and fourth years of study. Each student is assigned patients and is then responsible for the dental care of these patients. Clinical work in areas such as general practice dentistry, orthodontics, paediatric dentistry, periodontics and prosthodontics is undertaken at the Dental School. Students gain experience in the areas of oral medicine and oral and maxillofacial surgery in Brisbane teaching hospitals. The final year of study provides external clinical experience. Students will be rotated to a variety of Queensland Government health clinics throughout the State, including rural, school, hospital and community clinics.

Placement courses

The final year of the BDSc program involves 35 weeks (two semesters) of clinical placement in Queensland Government health clinics throughout the State, including rural, school, hospital and community clinics.

Supplementary information

Dental Board of Queensland policy prevents dentists carrying blood-borne viruses from undertaking invasive procedures, the definition of which includes

most aspects of clinical dentistry. Students are required to provide serological evidence of their status with respect to blood-borne transmissible viruses (Hepatitis B, Hepatitis C and HIV). Carriers of blood-borne transmissible viruses will not be permitted to be enrolled. Tuberculosis (TB) screening is also required in accordance with Queensland Health recommendations.

Students must have a current Blue Card (Working with Children Check) before commencing clinical work and clinical placements.

Students must complete a nationally accredited Senior First Aid Certificate prior to commencement of Semester 2, first-year. Students are also required to complete a Cardiopulmonary Resuscitation (CPR) competency recertification course prior to commencement of the second, third and fourth years of the program and to complete a Senior First Aid competency acquisition course (Recertification) prior to commencement of the fifth year.

Career opportunities

Qualified dentists have the choice of various employment fields, including:

- private practice: once registered with the appropriate dental board, a dentist may work either on their own behalf or as an assistant with an established practitioner, in a partnership, or as *locum tenens*
- government public health: in government and school dental clinics
- defence force: dentists may enter the Navy, Army or Air Force as dental officers on short service or permanent basis.

Additional cost

- Annual CPR recertification (approximately \$55)
- Dental instruments kit (\$700)
- Travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area
- First Aid re-certification (approximately \$120)
- Senior First Aid Certificate (including CPR) (approximately \$155)
- Incidental course materials (\$150)
- Learn-a-Prep block (\$60)
- Prosthodontic instruments (\$300)

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF EXERCISE AND SPORT SCIENCES

Program code 2314

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English and one of Biological Science, Chemistry or Physics

Honours Available as a modified program of study in year 3 and 4, with entry based on grade point average

Program outline

The Bachelor of Exercise and Sport Sciences explores the complex nature of human movement, kinesiology and how the body reacts to acute and chronic physical activity pursuits such as general fitness regimens, recreational activities and elite sports.

Students gain a solid understanding of key biological, social and health sciences, as well as core knowledge in the fields of biomechanics, motor control, exercise physiology, exercise and sport psychology, and functional anatomy. Students learn in a variety of professional settings to gain extensive practical experience and preparation for professional practice in exercise science and related areas.

After a year of study, students may enrol in a

Clinical Exercise Physiology (CEP) major, which covers all aspects required to be eligible for a Medicare provider number to practise as an Accredited Exercise Physiologist (AEP)*. Students learn specialist skills in the prescription and management of exercise for different client groups, including the elderly and people with chronic illnesses (e.g., cardiovascular disease and neurological conditions).

Students can study a diverse range of courses, including biomechanics, motor control, exercise physiology, exercise and sport psychology, functional anatomy, physical activity and health, and sports medicine.

Supplementary information

*Entry into the Clinical Exercise Physiology (CEP) major is based on grade point average at the completion of the first year. CEP has a quota of 40 places.

Students who work with children as part of a required placement course must have a current Blue Card (Working with Children Check) before they begin their placement.

Career opportunities

There are many career opportunities available, and graduates find work:

- clinical exercise physiologists in prescription and programming
- corporate health and fitness advisors
- cardiac technicians
- respiratory technicians
- strength and conditioning coaches
- sports development officers
- community recreation and fitness officers
- health promotion officers.

Graduates may work within: rehabilitation clinics and hospitals; multi-professional healthcare clinics; sports medicine clinics; sports academies and institutes; private practice; health and fitness centres; government departments; professional associations (e.g., National Heart Foundation); and sporting associations and professional sporting teams.

Dual degree programs

- Business Management

Additional cost

- Senior First Aid Certificate (including CPR) (approximately \$155)

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF HEALTH SCIENCES

Program code 2252

Location Ipswich

Commencement semester 1,2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English. It is highly recommended that students undertake one of Queensland Year 12 or equivalent Chemistry, Physics, Biology or Multistrand Science

Honours Available as an additional year of study

Program outline

The Bachelor of Health Sciences provides a broad overview of health care and is particularly suited to students who intend to enrol in a postgraduate professional degree (e.g., medicine, allied health, management, public health) or who wish to enter the non-clinical health workforce (e.g., health promotion, health management) planning and delivering efficient quality health care.

Students seeking a clinical career may initially enrol in the Bachelor of Health Sciences and then, following graduation, pursue a clinical postgraduate

or graduate entry degree of choice dependent upon academic performance. Alternatively, students with high academic performance may seek to transfer into a clinical undergraduate program while enrolled in the Bachelor of Health Sciences. For students within the Year 12 Provisional Entry quota for Medicine, the dual degree Bachelor of Health Sciences/Bachelor of Medicine/Surgery is available. This program provides graduate medical practitioners with a solid grounding in preventive health and is considered one of the preferred pathways to a medical career.

Placement courses

HLTH3001 Practicum in Health Sciences. Depending on the nature of the practicum, students may require a Blue Card (Working with Children Check) and a Hepatitis B vaccination (Queensland Health request).

Some elective courses are only available at the St Lucia campus.

Majors

Health Promotion and Population Health

Students undertaking the Health Promotion and Population Health major will examine how health services (e.g., aged care) and programs (e.g., anti-smoking campaigns) are designed and delivered, their effectiveness, and how they are evaluated and modified to improve service and program outcomes to facilitate community health and prevent disease and disability. Health Promotion and Population Health graduates aim to improve the health of the entire population and to reduce health inequities among population groups.

Graduates work as health promotion practitioners and educators, community health officers, policy officers, program evaluators, project officers and consultants. Typically, work may be found in both public and private sectors, including state and federal health departments, population health units, community health centres, divisions of general practice, non-governmental health organisations, and international health agencies.

Students interested in seeking further knowledge and skills in this area may complete an extra honours year and/or seek enrolment in a postgraduate professional degree program in areas such as public health, community services, or business.

Health Services Management

As future healthcare managers, students learn how to plan, manage and evaluate health services to ensure the goals for quality of care, costs, ethical issues, equity and legislation are met. Students gain in-depth knowledge of these issues and the skills to critically analyse situations during their program.

Health administrators typically work in government and non-government organisations ensuring that high-quality health services and programs are delivered to the community. Examples of the work they do include: managing the financial or human resource aspects of service provision within a public or private hospital; establishing, maintaining and evaluating community health programs, such as new immunisation programs; managing private health insurance companies; and working with clinical teams to develop information technology initiatives, such as e-health.

Students interested in seeking further knowledge and skills in this area may complete an extra honours year and/or seek enrolment in a postgraduate professional degree program in areas such as public health, information technology, or business.

Indigenous Health

The Indigenous Health major provides in-depth knowledge and skills related to key aspects of public health practice applied to Indigenous populations: health promotion; social science, policy and services. Units of study are devoted to some of the specific health issues that are important to Aboriginal and Torres Strait Islander communities: nutrition, alcohol and substance use, and communicable disease control. These can be expanded upon with further elective study. The major also offers the opportunity for

individual experience within an Aboriginal and Torres Strait Islander organisation. The Indigenous Health major equips graduates for work within Indigenous organisations, and also in a range of mainstream settings where their motivation and awareness of issues and practice will promote improved engagement of Aboriginal and Torres Strait Islander people. The major will enhance readiness for remote community work. Students interested in seeking further knowledge and skills in this area may complete an extra honours year and/or seek enrolment in a postgraduate professional degree program in areas such as public health or community services.

Nutrition

Human nutrition is a global term that concerns the way that foods and nutrients are acquired and used. It includes studies in biomedical science, biochemistry, nutrition, behavioural sciences and food sciences. The Nutrition major in the Bachelor of Health Sciences also includes supporting studies in health systems, public health and Indigenous health. This enables graduates to work as community nutritionists, encouraging the population to achieve healthier eating and reducing the burden of diet-related disease. Other careers are in the areas of health promotion or community health. The degree provides the basis for further studies in public health, health management or research. The Bachelor of Health Sciences with the Nutrition major is a recommended pathway to the Master of Dietetics Studies and satisfies all the prerequisite courses for that program.

Career opportunities

Graduates may work in both the public and private healthcare sector dealing with health issues as varied as anti-smoking campaigns, communicable disease, drug and alcohol use, Indigenous health, chronic disease, and women's health. Graduates seeking non-clinical careers in health care will find employment in the broad areas of health promotion or health services management, and will be at the front-line in improving delivery of health care through their roles as health promotion officers, health managers and health researchers. As with most three-year university degrees, employment prospects and remuneration will be enhanced with the addition of at least one further year of study in the non-clinical area of choice.

The addition of a postgraduate professional degree program (e.g., medicine, public health) enhances vocational outcomes, including remuneration and responsibility. Completion of an honours year and a PhD program may lead to an academic career in the university sector.

Dual degree programs

– Medicine/Surgery

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF

HEALTH, SPORT AND PHYSICAL EDUCATION

Program code 2313

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English and one of Biological Science, Chemistry or Physics

Honours Available as a modified program of study in year 3 and 4, with entry based on grade point average

Program outline

The Bachelor of Health, Sport and Physical Education prepares students for careers in the health and physical education field, as well as for professional practice in sports education and related areas (i.e., sports coaching and health promotion). Graduates qualify with the Queensland College of Teachers as specialist teachers of physical education, health education and junior science. This accreditation is recognised worldwide.

During this program, students undertake significant professional practice in a range of vocational settings, including primary and secondary schools, the sport, health and fitness industry and sports associations. Practical experience complements in-depth learning of the complex and diverse nature of human movement from physiological, biomechanical, socio-cultural, psychological, teaching (pedagogical) and health perspectives.

This program emphasises essential skills that are valued by employers, such as planning, organisational, presentation and problem-solving, thus enhancing graduates' self-confidence and employability. Students are encouraged to critically appraise, question and lead change in education, innovations and research.

Students can study a diverse range of courses, including biomechanics, motor control, exercise physiology, physical activity and health, psychology of sport and exercise, youth, sport and physical education, and pedagogical applications in human movement.

Placement courses

Third-year placement consists of a minimum of four weeks of practice. Students are required to observe a primary program for five days, participate as staff members at a secondary school for at least 10 days, and spend 40 hours in other approved educational settings.

Fourth-year placement is a course that immerses students in the life of a school for 10 weeks, particularly the responsibilities of the Health and Physical Education (HPE) Department. Students actively participate as staff members for a total of 50 days, teaching a full load in HPE and Junior Science by the fifth week.

Supplementary information

Student teachers must have a current Blue Card (Working with Children Check) before they begin their placements with children.

Career opportunities

The depth of this program opens up diverse career opportunities in both school and non-school settings. Graduates have excellent rates of employment in a variety of employment settings, including primary and secondary schools, sporting associations, universities and colleges, professional associations (e.g., National Heart Foundation), health promotion agencies, and private practice.

Graduates may work as:

- health and physical education teachers
- sports coordinator/coaches
- professional coaches/director of coaching
- outdoor educators
- junior science teachers
- education officers

- sports administration officers
- recreation and sports development officers
- health promotion officers
- corporate health officers.

This program provides an excellent foundation for postgraduate study in areas such as exercise science, public health, or sports coaching.

Professional memberships

Graduates of this program are eligible for membership with the Queensland College of Teachers and work as teachers of Physical Education, Health Education and Junior Science. This accreditation is recognised worldwide, giving graduates the freedom to work and travel overseas.

Additional cost

- Senior First Aid Certificate (including CPR) (approximately \$155)

International contact details

International Student Advisor
 Online: www.uq.edu.au/international/enquiry
 Phone: within Australia (free call): 1800 671 980
 Outside Australia: +61 3 8676 7004

BACHELOR OF MEDICINE/SURGERY

Program code 2046

Location St Lucia, Herston

Commencement semester 1

Duration 4 years full-time

Admission requirements Graduate Entry: GPA of 5.00 (on a 7-point scale) in latest key degree (bachelor's, honours, master's or PhD) and GAMSAT or MCAT score.

Year 12 MBBS Provisional Sub Quota:

OP1 (or equivalent) and UMAT or ISAT score.

Additional entry requirements Graduate Australian Medical Schools Admissions Test (GAMSAT), refer to: www.gamsat.acer.edu.au

North American Medical College Admissions Test (MCAT), refer to: www.aamc.org/students/mcat
 Universities Medical Admissions Test (UMAT), refer to: www.acer.edu.au

International Student Admissions Test (ISAT), refer to: <http://isat.acer.edu.au>

International students can apply via UQ International, ACER, or through an Educational Representative. Only complete applications meeting the minimum entry requirements will be considered for offer. Applications will not be assessed until all supporting documentation (original completed academic transcripts and proof of award; GAMSAT or MCAT results; UMAT or ISAT results; IELTS if required) has been received.

USA government legislation requires that USA citizens or permanent residents seeking USA government tuition support must sit the MCAT only.

English language proficiency IELTS overall 7 and 7 in each subband. Subject to final approval. See page 90 for further details.

Honours Available as a modified program of study in year 3 and 4, with entry based on grade point average

Program outline

This graduate entry program produces highly skilled doctors capable of meeting future challenges in a wide variety of careers. The curriculum has been designed with an emphasis on problem-based learning and group work. Students work cooperatively on a carefully planned series of patient-centred problems, each designed to highlight principles and issues in health and disease. Early patient contact and clinical training develop high levels of clinical skills and medical knowledge. The program's key features include: the simultaneous learning of basic, clinical, biological and social sciences; the improved teaching of communication skills; the use of learning approaches that encourage lifelong learning skills; the incorporation of ethics and professional development as an integral part of the program;

and the incorporation of information technology and computing skills to ensure that graduates are able to use technological advances to improve their learning skills and knowledge acquisition.

A new partnership between UQ and the Ochsner Health System in New Orleans has resulted in the development of the UQ-Ochsner MBBS program. This program is available to USA citizens and permanent residents. Approximately 40 places are available each year. NB: Subject to approval by the Australian Medical Council (AMC). For further information, please see www.mededpath.org/

Placement courses

All MBBS students are required to have a Blue Card (Working with Children Check) issued by the Commission for Children and Young People and Child Guardian by the first day of classes. Students must also have a current Senior First Aid Certificate and provide evidence of immunisation. Further information can be obtained from the School of Medicine website (www.som.uq.edu.au).

Students in years three and four of the program undertake clinical rotations within the School's clinical schools (including rural clinical schools). Students are liable for additional costs associated with attending clinical placements.

Supplementary information

Students may also opt to complete a clinical rotation overseas.

For the Year 12 School leaver entry: international students should note that applicants are not permitted to defer from this program. Students must commence the year after they finish school.

For the Graduate Entry: international students should note that applicants cannot defer from this program; however, applicant details can be kept on file and re-assessed for the following year's intake, provided they still meet the entry requirements (e.g., Valid MCAT or GAMSAT score).

Career opportunities

Medical practitioners may work in private practice; public health; academia/teaching; research; aid organisations; the defence forces; and/or a combination of these areas. Some of the specialties/ fields available to graduates are:

- academic medicine
- accident and emergency
- anaesthesia
- dermatology
- general practice
- intensive care
- medical administration
- medicine (general medicine, cardiology etc)
- obstetrics and gynaecology
- occupational medicine
- ophthalmology
- paediatrics
- pathology/histopathology/microbiology (haematology)
- psychiatry
- public health medicine
- radiology
- rehabilitation medicine
- sexual health
- sports medicine
- surgery (general surgery, neurosurgery etc).

Dual degree programs

- Arts
- Science
- Health Sciences

Additional cost

- Travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area
- Senior First Aid Certificate (including CPR) (approximately \$155)

International contact details

International Student Advisor
 Online: www.uq.edu.au/international/enquiry
 Phone: within Australia (free call): 1800 671 980
 Outside Australia: +61 3 8676 7004

BACHELOR OF MIDWIFERY

Program code 2261

Location Ipswich; Teaching Hospitals

Commencement semester 1

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English and one of Biological Sciences, Chemistry or Physics

English language proficiency IELTS overall 7 and 7 in each subband. Subject to final approval. See page 90 for further details.

Honours Available as an additional year of study

Program outline

The program is a three-year, full-time degree, delivered internally, (there is no mid-year entry), with an accelerated option to complete the program in two and a half years. The program is designed to develop graduate midwives who will: direct their own learning and apply clinical reasoning skills in their midwifery practice; be able to work in continuity-of-care models according to the international definition of the midwife; be able to work effectively in multidisciplinary teams to promote quality outcomes of care for each woman and baby; and provide high-quality care through safe and effective midwifery practice according to the Australian Nursing and Midwifery Council (ANMC) and the Australian College of Midwives Incorporated (ACMI) competency standards.

The program is underpinned by an innovative, problem-based learning curriculum model, which has been informed in international best practice by industry experts and responds to current national and global population health challenges. In the first two years of the program, lectures and problem-based learning are incorporated with clinical experiences in selected partner teaching hospitals and health districts. In the final year of the program, students undertake extensive preceptored clinical placement providing them with exposure to an area of speciality midwifery practice and the opportunity to consolidate and refine their skills in order to facilitate a smooth transition to graduate practice.

Placement courses

In order to undertake clinical practice, students are required to maintain a current Senior First Aid Certificate throughout the duration of the program, with resuscitation re-certification required every 12 months. Students are required to comply with the School of Nursing and Midwifery Infectious Diseases and Immunisation Guidelines and provide serological evidence of their status with respect to blood-borne transmissible viruses (Hepatitis B, Hepatitis C and HIV). Carriers of blood-borne viruses are unable to complete the clinical practice components of the program and thus not be eligible to apply for endorsement as a midwife. Students are also required to have a current Blue Card (Working with Children Check) prior to clinical placement. For further information on these requirements, contact the School of Nursing and Midwifery.

Supplementary information

Clinical placements commence in the first few weeks in first-year. Students are "buddied" with midwives for clinical learning throughout the program. Throughout the program students are required to complete a set number of "follow throughs" of women through their pregnancy, birth and postpartum periods. For the final year of the program, students are required to undertake extensive clinical practice. This may preclude students from undertaking outside employment during the final two semesters.

Career opportunities

Midwives work in a variety of public or private healthcare settings, maternity and neonatal care settings, academia/teaching, research, rural and remote health, aid organisations, and/or a combination of these areas.

Dual degree programs

- Nursing

Additional cost

- Travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area
- Senior First Aid Certificate (including CPR) (approximately \$155)
- A clinical uniform shirt (may be purchased from the School)

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF NURSING

Program code 2241

Location Ipswich; Teaching Hospitals

Commencement semester 1

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English and one of Biological Sciences, Chemistry or Physics

English language proficiency IELTS overall 7 and 7 in each subband. Subject to final approval. See page 90 for further details.

Honours Available as an additional year of study

Program outline

This program is a three-year degree delivered internally, full-time, with an accelerated option to complete in two and a half years. This program is specifically designed to develop graduate nurses who will: direct their own learning and apply clinical reasoning skills in their nursing practice; be able to work effectively in multidisciplinary teams to promote quality health outcomes for clients in their care; and provide high-quality care through safe and effective nursing practice according to the ANMC (Australian Nursing and Midwifery Council) National Competency Standards for the Registered.

The program has been designed using international best practice standards in nursing education, and is underpinned by an innovative, problem-based learning curriculum model, which has been informed by international best practice and industry experts and responds to current national and global population health challenges. In the first two years of the program, lectures and problem-based learning are incorporated with clinical experiences in selected partner teaching hospitals and health districts. In the final year of the program, students undertake extensive preceptored clinical placement.

Placement courses

In order to undertake clinical practice, students are required to maintain a current Senior First Aid Certificate throughout the duration of the program, with resuscitation re-certification required every 12 months. Students are required to comply with the School of Nursing and Midwifery Infectious Diseases and Immunisation Guidelines and provide serological evidence of their status with respect to blood-borne transmissible viruses (Hepatitis B, Hepatitis C and HIV). Students are also required to have a current Blue Card (Working with Children Check) prior to clinical placement. For further information on these requirements, contact the School of Nursing and Midwifery.

Supplementary information

Overseas educated professional nurses who have successfully completed a tertiary nursing program of at least three years duration, who have recent relevant clinical experience and who meet requirements for English language proficiency will be granted up to two years of credit. In order to upgrade their qualification to degree level and

to become eligible for registration as a nurse in Australia, these nurses will be required to complete one year of study to qualify for graduation from the Bachelor of Nursing program. For further details, see the School of Nursing and Midwifery website at www.nursing-midwifery.uq.edu.au

Clinical placements commence in the first few weeks in first-year. Students are "buddied" with registered nurses for clinical learning throughout the program. For the final year of the program, students are required to undertake extensive clinical practice. This may preclude students from undertaking outside employment during the final two semesters.

Career opportunities

Registered nurses work in a variety of public or private healthcare settings, academia/teaching, research, aid organisations, the defence forces and/or a combination of these areas. Some of the career pathways/specialties available to graduates are:

- medical/surgical nursing
- aged care
- cardiac nursing
- community nursing
- critical care
- day surgery nursing
- drug and alcohol
- domiciliary nursing
- emergency care
- Indigenous health
- infectious disease
- mental health nursing
- midwifery
- neonatal nursing
- neuroscience nursing
- nurse academic
- nurse educator
- nurse practitioner
- nurse practitioner
- oncology
- orthopaedics
- paediatrics and child health
- perioperative
- public health
- rehabilitation
- rural and remote area
- school based youth health nursing
- sexual health nursing
- transplant nursing.

Dual degree programs

- Midwifery

Additional cost

- Travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area
- Senior First Aid Certificate (including CPR) (approximately \$155)
- A clinical uniform shirt (may be purchased from the School)

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF

OCCUPATIONAL HEALTH AND SAFETY SCIENCES

Program code 2310

Location St Lucia, Ipswich

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English and Chemistry

Honours Available as a modified program of study in year 4, with entry based on grade point average

Program outline

There is currently a shortage of well-qualified occupational health and safety (OHS) professionals, particularly those with an undergraduate degree based on a sound background in the physical, behavioural, psychosocial and life sciences. This program is unique, as it addresses psychosocial and mental health issues within the workplace, as well as the long recognised chemical, physical, mechanical and biological hazards. For further information, please see www.uq.edu.au/health/ohsdegree

Placement courses

There are four courses of industry placements required in the final semester of the program.

Career opportunities

Occupational health and safety professionals work to enhance the safety and health of all workers. Graduates find work in a diverse range of places, from remote mine sites, to large corporate offices, laboratories and movie sets. 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 investigation; ensuring compliance with legislation.

Occupational health and safety graduates enjoy a well-paid and diverse career, and have the ability to work anywhere, including remote, rural or urban regions in Australia and overseas; across all industries (including mining, agricultural, retail, hospitality, construction, transport, manufacturing, health care); and in government, private sector or consultancy.

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF

OCCUPATIONAL THERAPY

Program code 2022

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English and one of Biological Science, Chemistry or Physics

Additional entry requirements Blue Card (Working with Children Check) prior to commencing placements/practicums. Current Senior First Aid Certificate (including CPR). Proof of immunisation against certain diseases, including Hepatitis B, prior to clinical placements

English language proficiency IELTS overall 7 and 7 in each subband. Subject to final approval. See page 90 for further details

Honours Available as a modified program of study in year 3 and 4, with entry based on grade point average

Program outline

Occupational therapists are health professionals trained to assist people of all ages overcome factors that limit their ability to function in certain

“occupational roles”. These limiting factors may have been caused by: injury or illness; psychological or emotional difficulties; developmental delay; or ageing. Occupational therapists consider individual strengths, disabilities, goals, and social and environmental resources, then work to optimise clients’ functioning ability and quality of life.

The first year of this program combines studies in theoretical and practical occupational therapy, with biological and behavioural sciences. In second-year, students develop this knowledge and apply theory to practical problems of occupational therapy. Third-year students focus on occupational therapy techniques, with clinical practice in teaching units in hospitals and community health agencies. The final year extends clinical experience and examines professional issues. Students also undertake studies in statistics and research techniques.

Placement courses

Some placements are outside the Brisbane metropolitan area and students are expected to fund their travel, accommodation and daily living expenses.

Placements are usually conducted on a full-time basis in the third and fourth years, and are of seven or 10 weeks duration. Students cannot undertake block fieldwork placements outside Australia and New Zealand except in the following circumstances:

1. The student is an international student at UQ, in which case they may be able to undertake a placement in their home country.
2. The placement is arranged by UQ staff in conjunction with another university as part of an established fieldwork exchange relationship.
3. The placement is in a developing country and is supervised by UQ staff (or staff of other approved universities in an established placement program).

For all overseas placements, students must have an acceptable prior level of performance and the course coordinator must approve the timing of the placement. Overseas placements are not generally recommended for a first placement.

Supplementary information

Students are required to provide proof of immunisation against certain diseases, including Hepatitis B before the commencement of study. A Senior First Aid Certificate (including CPR) and a Blue Card are also required before the commencement of clinical practice. Further details of these requirements will be provided with offer material.

Career opportunities

Occupational therapists work in:

- public and private hospitals
- country or community health centres
- rehabilitation units (medical, vocational, psychiatric)
- regular and special schools
- consultation services
- special centres providing development and training for persons with a social, intellectual or – physical disability
- independent living centres
- workplace health and safety units
- nursing homes
- psychiatric clinics and hostels
- residential and rehabilitation centres for people with an intellectual disability
- centres of tertiary education
- research institutions
- private practice.

Additional cost

- Travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area
- Senior First Aid Certificate (including CPR) (approximately \$155).
- Clinical uniform: shirts (approximately \$25); slacks (approximately \$60).

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF ORAL HEALTH

Program code 2017

Location Herston

Commencement semester 1

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English and one of Biological Science, Chemistry or Physics (Biological Science recommended)

Additional entry requirements Evidence of status of blood-borne viruses (Hepatitis B, Hepatitis C, HIV) and comply with School guidelines. Early offers may be made to exceptional candidates if applications are received by 31 May. All other applications will continue to be considered for further offers following the final closing date of 31 October

English language proficiency IELTS overall 7 and 7 in each subband. Subject to final approval. See page 90 for further details.

Honours Available as an additional year of study

Program outline

The University of Queensland Dental School is the oldest and most established dental school in Queensland and has been located at Turbot Street, in Brisbane’s CBD since 1941. In 2012, the School is scheduled to move to the new Oral Health Centre at the UQ Herston campus. The Centre will be Australia’s largest and most advanced tertiary oral health facility, combining research, education, training, and specialist expertise in patient care. Teaching facilities will include clinical simulation areas, pre-clinical laboratories, lecture/seminar rooms, and research laboratories.

The Bachelor of Oral Health (BOralH) program was the first bachelor’s degree program for dental auxiliary training to be offered in Australia. It has been fully accredited by the Australian Dental Council and has been considered the benchmark for similar tertiary programs in other Australian universities. This program qualifies graduates to work as oral health therapists, dental therapists, dental hygienists and in health promotion.

The first year of study provides students with knowledge in oral biosciences and biomedical foundations in oral health. It emphasises the importance of prevention as a goal and introduces clinical practice. In second-year, courses develop the knowledge and clinical skills needed for the care of individual patients. Students apply their knowledge of dental diseases to dental therapy and dental hygiene practice. Third-year students extend their clinical experience and focus on the provision of care to groups with special needs, and on oral health for communities and population groups. Throughout the program, courses explore the principles and philosophies underlying health promotion for individuals and the community.

Supplementary information

Students should note that completion of all or part of this program does not permit direct entry into the Bachelor of Dental Science.

Dental Board of Queensland policy prevents oral health therapists, dental hygienists and dental therapists carrying blood-borne viruses from undertaking invasive procedures, the definition of which includes most aspects of clinical dentistry. Students are required to provide serological evidence of their status with respect to blood-borne transmissible viruses (Hepatitis B, Hepatitis C and HIV).

Students are required to complete a Cardiopulmonary Resuscitation (CPR) course prior to the commencement of Semester 2 of the first year of the program and to complete a CPR re-certification course prior to the commencement of the second and third years. Tuberculosis (TB) screening is also required in accordance with Queensland Health recommendations.

Students are required to have a current Blue Card (Working with Children Check) before commencing clinical work and clinical rotations.

Career opportunities

Graduates work in positions such as oral health therapists, dental therapists, dental hygienists, and health promotion. Opportunities exist for graduates wishing to undertake a research career. Some teaching positions in the undergraduate program are occasionally available.

Additional cost

- Cardiopulmonary Resuscitation (CPR) course (approximately \$65 annually)

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF PHARMACY

Program code 2019

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Mathematics B, Chemistry (please see page 88 for Queensland Year 12 subject equivalencies)

Additional entry requirements Proof of immunisation against certain diseases, including Hepatitis B, prior to clinical placements

English language proficiency IELTS overall 7 and 7 in each subband. Subject to final approval. See page 90 for further details

Honours Available as a modified program of study in year 3 and 4, with entry based on grade point average

Program outline

The study of pharmacy is mainly concerned with the action of drugs on biological systems and their applications for human drug therapy. The program prepares graduates for the contemporary role of the pharmacist in society, ensuring that patients optimise medication usage. Initial courses on chemical, physical, and biological studies lead to professional specialties in later years. Practical and clinical science studies begin in first-year, providing students with a strong background in professional practice. The program integrates six streams of study: quality use of medication; dosage form design; social and professional aspects of pharmacy; drug discovery; biological fate of drugs; and data analysis in pharmacy.

Placement courses

Every year of the Bachelor of Pharmacy program involves pharmacy placements in rural and community pharmacies and Queensland Health facilities. Students may be required to have a current Blue Card (Working with Children Check) before commencing practical work. Queensland Health requires completion of Occupational Health and Safety certificates prior to placements. The School will provide further information as to when and how these must be completed.

Supplementary information

Queensland Health requires all healthcare worker students to be immunised against Hepatitis B prior to their first clinical placement. Students are required to provide documentary evidence of immunisation against Hepatitis B as soon as possible after commencement of the program. Other health requirements may be necessary. Before Bachelor of Pharmacy graduates can practise pharmacy, they must be registered with the Pharmacists Board of Queensland. To be eligible for registration, they must complete 48 weeks of pre-registration training. Training may be obtained within a community, hospital, defence forces or industrial setting under the supervision of a registered pharmacist in approved premises. During this pre-registration period, the Pharmaceutical Society of Australia (Queensland Branch) administers a structured education program. Qualifications for admission to professional pharmacy are prescribed in the Pharmacists Registration Act 2001 and the Pharmacists Registration Regulation 2001.

Career opportunities

There are three major employment areas for pharmacists.

- Community pharmacy, which is a multifaceted field incorporating: the dispensing of prescriptions (also providing medication information and monitoring); primary health care (assistance with the identification and treatment of common ailments); health promotion (advising the community about illness prevention and healthy lifestyle decisions); and home medicines review.
- Hospital pharmacy, which plays an important role in health care, promoting safe and effective use of medicines within hospitals, incorporating: the preparation and supply of medicines; education of patients, doctors and nurses on safe and appropriate medicine use; and provision of drug information to healthcare professionals.
- Industrial pharmacy, which generally involves the manufacture, quality control, registration and marketing of pharmaceutical products.

New opportunities are also developing in other professional areas, such as a consultant pharmacist, (undertaking medicine reviews with patients and general practitioners) and prescribing advisors.

Additional cost

- Travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area
- A clinical uniform shirt (may be purchased from the School)

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF

PHYSIOTHERAPY

Program code 2021

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English and one of Biological Science, Chemistry or Physics (Physics recommended)

Additional entry requirements Blue Card (Working with Children Check) prior to commencing placements/practicums. Current Senior First Aid Certificate (including CPR). Proof of immunisation against certain diseases, including Hepatitis B, prior to clinical placements

English language proficiency IELTS overall 7 and 7 in each subband. Subject to final approval. See page 90 for further details

Honours Available as a modified program of study in year 3 and 4, with entry based on grade point average

Program outline

Physiotherapy is concerned with promoting, maintaining and restoring health and preventing disability, in people of all ages. Physiotherapists optimise potential ability, physical function, independence and quality of life through rehabilitation practices. To achieve this, physiotherapists require an extensive understanding of physical, structural and physiological aspects of human form and movement, as well as factors relating to human functioning and the acquisition of skill. Physiotherapy often involves promotion of motor development and coordination, physical methods to control pain, therapeutic exercise for impaired muscle systems, assisting in the physical management of the cardio-respiratory system, or improving balance and motor control for better performance and function.

The program teaches graduates how to care for people experiencing pain or loss of function caused by a physical injury or disorder and for people with physical disabilities. Such disabilities and disorders can arise from a variety of causes including injury,

disease, congenital abnormalities, ageing and degenerative processes. The program includes basic science courses, such as anatomy, physics, psychology and statistics, as well as relevant medical courses. Throughout the program, students visit hospitals, developing their understanding of the profession. During their final year, students undertake supervised clinical practice in affiliated hospitals and community situations.

Placement courses

Some clinical placements may be outside the Brisbane metropolitan area and students are expected to fund their travel, accommodation and daily living expenses.

Placements are of five weeks duration and are usually conducted on a full-time basis in the fourth year of the program. Students wishing to undertake a clinical placement in an international location may be permitted to do so under certain conditions, e.g., international students who wish to undertake a placement in their home country. Students are responsible for personal arrangements such as visa, insurance, travel and accommodation and are liable for associated costs. Placements will not be organised or will be cancelled if a travel warning to the country/region applies. Interested students should discuss with the Clinical Education Placement Manager.

Supplementary information

Students are required to provide proof of immunisation against certain diseases, including Hepatitis B before the commencement of study. A Senior First Aid Certificate (including CPR) and a Blue Card are also required before the commencement of clinical practice. Further details of these requirements will be provided with offer material.

Career opportunities

Graduates work in hospitals, community health centres and agencies, rehabilitation units, or in preschool and school programs. Alternatively, they may prefer to work in private practice offering treatments to a full range of patients or specialising in areas such as sports physiotherapy, manipulative physiotherapy, paediatrics, obstetrics, orthopaedics or other fields of particular interest. Additional employment opportunities exist for researchers, advisors or consultants in educational, industrial or government institutions.

Additional cost

- Travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area
- Senior First Aid Certificate (including CPR) (approximately \$155).
- A clinical uniform shirt (may be purchased from the School)

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF

SPEECH PATHOLOGY

Program code 2034

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English and one of Biological Science, Chemistry or Physics

Additional entry requirements Blue Card (Working with Children Check) prior to commencing placements/practicums. Current Senior First Aid Certificate (including CPR). Proof of immunisation against certain diseases, including Hepatitis B, prior to clinical placements

English language proficiency IELTS overall 7; writing, reading and listening 7; speaking 8. Subject to final approval. See page 90 for further details

Honours Available as a modified program of study in year 3 and 4, with entry based on grade point average

Program outline

Speech pathologists assess and treat disorders of communication in areas such as speech, voice, language and fluency. Clients include children who fail to develop normal communication and people who acquire communication problems as a result of disease or injury, such as stroke. A person's ability to communicate may also be impaired because of disabilities such as hearing loss, brain damage, intellectual disability, stuttering, malfunction of the speech or respiratory organs, or emotional disturbances. In addition, speech pathologists work with clients who have feeding or swallowing problems. Speech pathology is closely associated with medicine, education and rehabilitation.

The first two years of the program focus on basic studies in anatomy, linguistics, physiology, psychology, medical specialties and statistics. In first-year, an emphasis on normal communication forms the reference point for second-year studies in the description and analysis of communication disorders. Students explore the areas of voice, fluency, hearing, speech, language and oral functioning. The third and fourth years are case/problem-based and integrate understanding of communication disorders with the assessment and management of clients. Academic studies are complemented by supervised clinical practice in a wide variety of settings.

Placement courses

Block clinical placements occur in the third and fourth years of the undergraduate program. These placements are of six weeks duration and are conducted on a full-time basis. Students are placed in clinics according to previous clinical experiences. Some students may be required to take up clinical placements outside the Brisbane metropolitan area and are expected to fund these placements independently. Students are only placed within Queensland. Overseas placements are not available. Students are required to have a current Blue Card (Working with Children Check) before commencing clinical placements in second year. For information on obtaining a Blue Card, contact the School of Health and Rehabilitation Sciences. Students are required to complete a prescribed schedule of immunisations and to hold a current first aid and CPR certificate.

Supplementary information

Students are required to provide proof of immunisation against certain diseases, including Hepatitis B, before the commencement of study. A Senior First Aid Certificate (including CPR) and a Blue Card are also required before the commencement of clinical practice. Further details of these requirements will be provided with offer material.

Career opportunities

Graduates work in many different settings including:

- general, paediatric and geriatric hospitals
- community health centres and agencies
- rehabilitation units
- preschools, kindergartens and childcare programs
- centres for the hearing impaired and intellectually disabled
- private practice
- industrial and government institutions.

Additional cost

- Travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area
- Senior First Aid Certificate (including CPR) (approximately \$155).
- A clinical uniform shirt (may be purchased from the School)

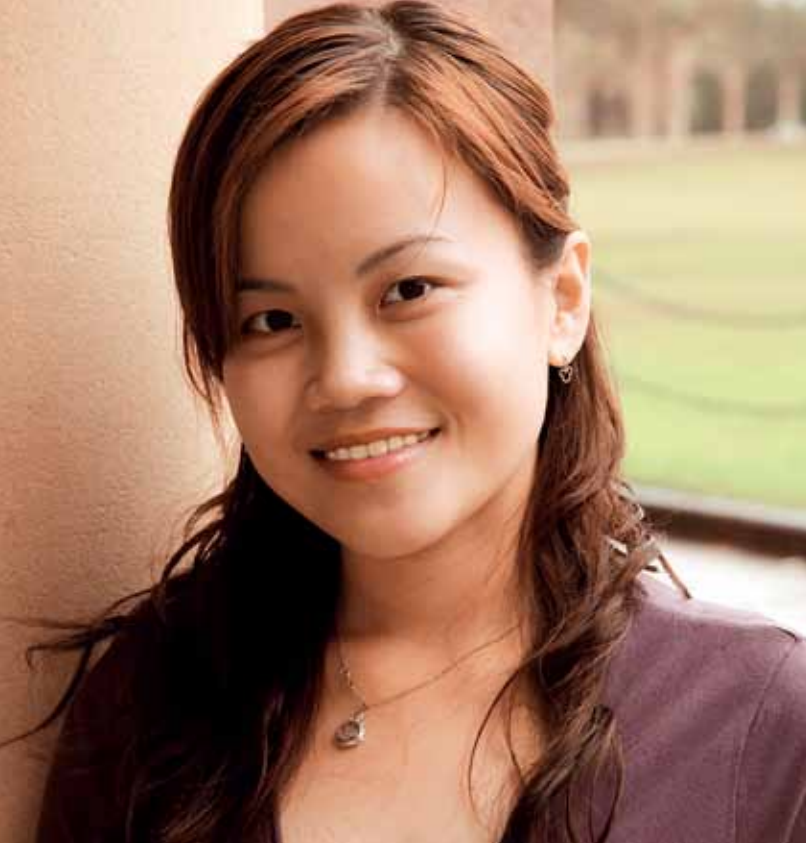
International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004



The hope of stopping a disease that ravages her country is what drives Malaysian Bachelor of Biotechnology (Honours) graduate Yi San Leong.

Yi San is currently part of a UQ research laboratory using bacteria to manipulate the lifespan of the Aedes Aegypti mosquito before it can spread dengue fever, hopefully stopping dengue in its tracks.

“As a second-year student I volunteered in my current laboratory to help a post-doctoral research fellow to finish a small experiment,” said Yi San.

“During my time there I gained the trust of the head of laboratory, Professor Scott O’Neill, and he offered me a job as a research assistant once I graduated from my honours degree.”

“Doing an honours degree with a major in microbiology was definitely a help, it gave me the skills I needed for the job.”

Yi San said the best part of her job was being involved in cutting-edge dengue research.

“I’m from a country where dengue diseases are common. It’s an honour that I get to make a contribution in a laboratory that might one day solve a very significant problem in Malaysia.”

Yi San credits her extra year of honours study with getting her to where she is now.

“To be able to gain a good position in the science industry, good relationships and connections with people in related fields are crucial.”

“A science honours degree allows you to get all that: relevant lab experience, relationships with scientists within academia and industry, and highly transferable skills.”

“UQ has many world-renowned laboratories on campus. If you work in any of them as an honours student, you will definitely be more competitive than others in the workplace.”

YI SAN LEONG
MALAYSIA
BACHELOR OF SCIENCE (BIOTECHNOLOGY) (HONOURS)

DISCOVER A WORLD OF POSSIBILITIES

UQ is ranked in the top 50 in Life Sciences and Biomedicine by the 2008 United Kingdom’s *Times Higher Education Supplement’s* annual ranking of world universities.

UQ is also a hub for major science initiatives in the Asia Pacific region for the bioscience, neuroscience, nanotechnology, and biotechnology fields. Our location also provides unique opportunities to study environmental, marine, and urban planning disciplines in a subtropical environment, with ready access to arid, temperate, tropical, and marine systems including World Heritage rainforests, the Great Barrier Reef, and outback Australia.

The UQ science advantage

In addition to innovative teaching programs based on much of UQ’s own groundbreaking research, access to some of the world’s top scientists, national award winning lecturers, and programs that produce skilled graduates who are in high demand by employers, UQ has invested in a range of additional exciting programs and facilities that help students to get the most out of their university experience.

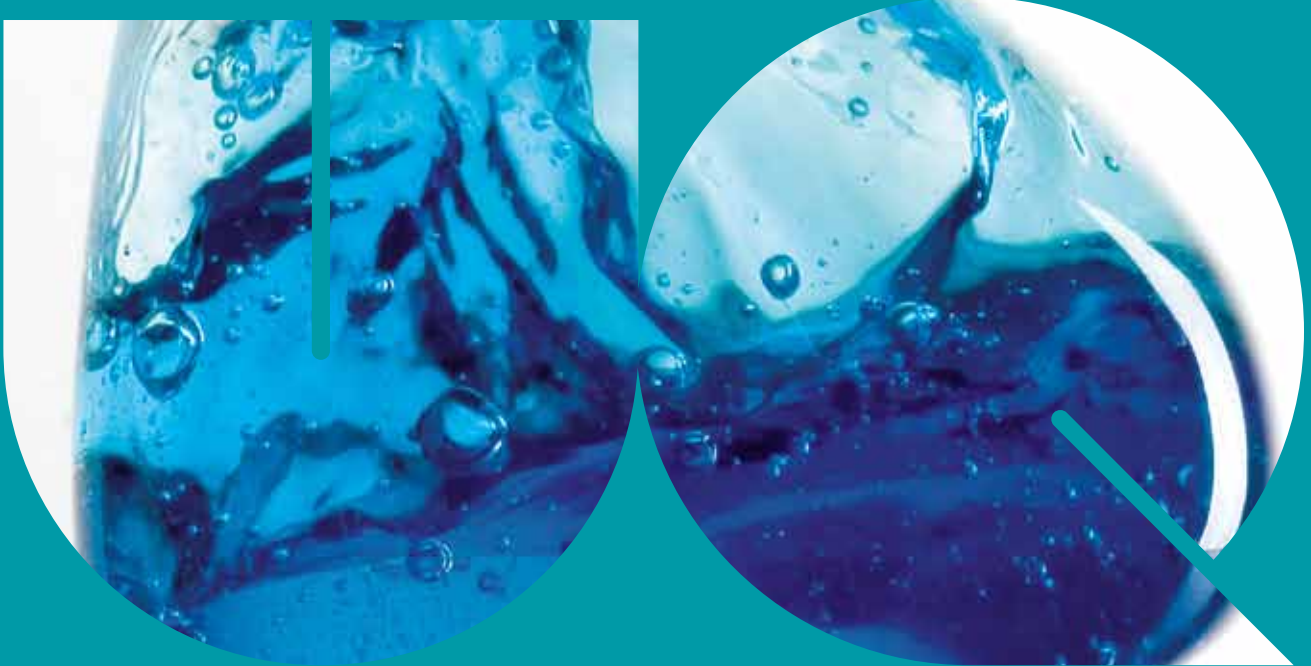
Students not only study Science at UQ, they experience it. As well as lectures and tutorials, students participate in field trips, industry placement, and research projects, using the latest state-of-the-art facilities. For example, students have exclusive all hours access to the new Science Learning Centre (SLC), a social and learning hub for students that is a relaxed and casual environment. The SLC is equipped with bean bags and moveable furniture, meeting rooms, wireless Internet, and data points for laptops, booths with built in monitors for group study, data projectors, visualisers and whiteboards. Students also have the opportunity to access student-centred, interactive learning programs to help with their study, overseas study programs, a range of special interest student societies, and enrichment programs for high-achieving students.

Excellent facilities

UQ has a reputation as Australia’s top biological sciences research university. Our science facilities can be found throughout Queensland, and include:

- Australia’s most extensive marine science teaching and research facilities, with field stations on the Great Barrier Reef (Heron Island), Low Isles and Moreton Bay (North Stradbroke Island)
- commercial aquaculture facilities
- Australia’s most comprehensive range of electron optical instrumentation, within UQ’s Centre for Microscopy and Microanalysis
- innovative and integrated research facilities, including the Institute for Molecular Bioscience (IMB), the Australian Institute for Bioengineering and Nanotechnology (AIBN), and the Queensland Brain Institute (QBI)
- GIS/RS Laboratory with remote sensing software, GIS software, desktop-mapping/GIS applications, statistical software, and geodetic/geographic applications

SCIENCE, GEOGRAPHY & PLANNING



Comprehensive programs

UQ has one of the most comprehensive ranges of science and environmental specialisations in Australia, offering students more choices in science, urban planning, and environmentally focused programs than any other institution. Our programs are informed by research, with world-class scientists incorporating their latest discoveries into their teaching, which means you are learning as they are discovering. Hands-on experience and opportunities for field and laboratory work means you are putting your knowledge to practical use.

Outstanding career prospects

The rapidly increasing demand for scientists and environmental professionals to develop solutions for society's most critical issues means that science-trained graduates enjoy a diverse array of exciting and lucrative career prospects both in Australia and overseas, with high employment rates. New science graduates from earth sciences, mathematics, computer sciences, and the physical sciences are regularly ranked in the top 10 starting salaries and the USA and the European Union estimate that an extra 2.9 million scientists and engineers are needed now - making studies in science, urban planning or the environment at UQ a great investment in your future.

Characterised by rapid advancements and new discoveries, careers in science and

the environment are exciting and fulfilling.

UQ graduates in these disciplines are in high demand by a broad range of private and public sector employers, in areas including:

- aquaculture
- banking
- biotechnology
- chemical industries
- commerce
- commercialisation
- conservation
- diagnostics
- economics
- ecotourism
- environmental consulting
- fisheries
- food and agriculture
- forensic science
- intellectual property management
- law enforcement
- museums
- national parks
- natural resources
- pathology
- pharmaceuticals
- planning and consulting
- quarantine
- sports industry
- spatial sciences
- sales and marketing
- textiles.

Degrees in this discipline

- Biomedical Science	64
- Biotechnology	64
- Environmental Science	64
- Marine Studies	65
- Regional and Town Planning	65
- Science	66

BACHELOR OF BIOMEDICAL SCIENCE

Program code 2286

Location St Lucia

Commencement semester 1, 2

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Mathematics B plus one of Chemistry or Physics (please see page 88 for Queensland Year 12 subject equivalencies)

Honours Available as a modified program of study in year 4, with entry based on grade point average

Program outline

This four-year program capitalises on the research-intensive environment at UQ. It trains future research scientists in the investigation of the human body at the molecular, cellular and whole body levels. Students study courses across the disciplines of biochemistry and cell biology, physiology, developmental biology, microbiology, pharmacology and neuroscience. Students are exposed to the latest research from leading scientists based at the research institutes located on campus. In the fourth year, an honours research project is conducted within one of the UQ's research laboratories or institutes.

Career opportunities

This degree can lead to multiple career paths. It can be a springboard into work in academic and research positions in universities, in pharmaceutical and biotechnology companies developing diagnostics for disease and new drugs for treatments, research institutes and hospitals. The science training can also lead to wider opportunities working in government advising, or in sales and marketing.

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF BIOTECHNOLOGY

Program code 2055

Location St Lucia

Commencement semester 1, 2

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Mathematics B plus one of Chemistry or Physics (please see page 88 for Queensland Year 12 subject equivalencies)

Honours Available as a modified program of study in year 4, with entry based on grade point average

Program outline

Biotechnology applies scientific and engineering principles to living organisms in order to produce products and services of value to society. It is used in processes ranging from cheese production, brewing, and wastewater management, through to drug design and gene therapy. The program examines microorganisms, plants and animals in the context of the discovery, understanding, improvement and development of viable products or activities. The discipline combines elements from many areas such as molecular genetics, microbiology, immunology, physics, chemistry, engineering and mathematics. Courses in the first three years establish a foundation of basic knowledge for the study of biotechnology, and also offer flexibility through electives. Students take many of the core technical skill courses offered in the Bachelor of Science, but also complete a number of courses with a commercial focus. The fourth year can be taken at honours or pass level. Each student completes a substantial research project addressing the industrial, regulatory and management issues surrounding biotechnology.

Supplementary information

The Bachelor of Biotechnology (Honours) year commences four weeks prior to the start of Semester 1 in the standard academic calendar. In Semester 2, the Bachelor of Biotechnology (Honours) year commences at the start of the standard academic calendar.

Majors

Bioinformatics

The Bioinformatics major is designed to produce graduates with a strong understanding of bioinformatics and computational biology. Students explore aspects of microbiology, biochemistry, chemistry, genetics and the commercialisation aspects of biotechnology.

Bioprocess Technology

The Bioprocess Technology major is designed to produce graduates with a strong understanding of process engineering and process technology. It incorporates aspects of microbiology, biochemistry, chemistry, and the commercialisation of biotechnology.

Chemical Biotechnology

The Chemical Biotechnology major is designed to produce graduates with a strong understanding of chemistry alongside aspects of microbiology, biochemistry, pharmacology, and the commercialisation aspects of biotechnology.

Drug Design and Development

Drug Design and Development equips students with a solid background in pharmacology, chemistry and biochemistry, appropriate for a career in the pharmaceutical industry.

Innovation Management (dual major, can be combined with Bioinformatics, Bioprocess Technology, Chemical Biotechnology, Drug Design and Development, Microbial Biotechnology, Molecular Biotechnology, Nanotechnology, or Plant Biotechnology)

The Innovation Management dual majors prepare students for the growing focus of biotechnology organisations and university/public sector based research groups on seeking markets for their scientific outputs. As the industry matures, there is an increasing awareness of the need to be in tune with commercial realities. While biotech is increasingly interdisciplinary, relying on teams of scientists with varying backgrounds to make discoveries, it also relies on input from a variety of professions to achieve market outcomes. This requires some understanding of the essentials of intellectual property law, financing ventures, managing people, building networks and alliances, competing internationally, managing projects, marketing products and services, and planning for growth in a competitive environment. These new dual majors allow students to develop the business skills required to complement their science skills, and, in doing so, be more competitive in the biotechnology field, whether they choose to work in the public or private sector.

Microbial Biotechnology

Microbial biotechnology is a fundamental area of biotechnology, with a focus on the use of microorganisms in the production of commercially viable products in the food, fuel and pharmaceutical industries. Microbiology is the oldest core discipline of biotechnology, and one in which UQ has a great depth of knowledge. As an area of study it holds established employment opportunities in diverse bio industries.

Molecular Biotechnology

Molecular biotechnology is an exciting, growing field of science that combines applications from molecular biology, biochemistry, immunology, genetics and microbiology in the laboratory to create useful products in areas as diverse as human and animal health, agriculture, food and sustainable energy production, and the textile industry. Employment opportunities in molecular biotechnology will continue to increase with the need for new vaccines and diagnostics tests and the need for more efficient production of food and beverages. Molecular biotechnology involves

transferring genetic information between organisms to capitalise on existing biological processes to create new and innovative products. This major provides an excellent platform for students to work in the area of "systems biotechnology", which involves the overall study of a cells genetic and metabolic capacity to optimise bioreactor based production processes.

Nanotechnology

Nanotechnology is the ability to manipulate individual atoms, molecules and groups of molecules to produce the smallest human-made objects. As a new frontier of science, it is receiving worldwide attention.

Plant Biotechnology

Plant biotechnology is an exciting and rapidly developing field. Gene technologies are used to develop improved plants for more nutritious foods, and as renewable biofactories, allowing the production of sustainable industrial products and inexpensive drugs for medical and veterinary use.

Career opportunities

Work in biotechnology crosses several industrial and service sectors including health, agriculture, diagnostics, environment, forestry, law and commerce. The Bachelor of Biotechnology leads to career paths in:

- pharmaceutical companies (drug design and development or pharmaceutical production)
- chemical companies (nanotechnology and biosensor applications)
- agriculture (plant breeding and engineering)
- diagnostics companies (diagnostic test design and production)
- legal and consulting companies (business plan analyst)
- government agencies
- research with research institutes, universities or in industry.

Dual degree programs

- Engineering

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF ENVIRONMENTAL SCIENCE

Program code 2009

Location St Lucia

Commencement semester 1, 2

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Mathematics B and one of Chemistry or Physics (please see page 88 for Queensland Year 12 subject equivalencies)

Honours Available as a modified program of study in year 4, with entry based on grade point average

Program outline

The program centres on the understanding of fundamental processes in the environment, and the way in which they can be described, monitored and predicted. Human impact is placed in the context of all the processes that occur in the physical and biological environment. Students examine the legal, political and social aspects of environmental management, and develop skills in systems analysis and planning. This enables the environmental scientist to contribute rigorous analyses to environmental decision-making and management. Students select one of four majors: Earth Resources; Ecology; Molecular and Microbial Science; and Natural Resource Science. The first three years of the program provide a comprehensive coverage of the basic sciences relevant to environmental problems. The fourth year focuses on the application of these principles, and can be taken as an honours research year or as advanced coursework

at pass level. Students are able to complete a substantial research project in either an environmental impact assessment or an environmental audit. Students are also able to attend field trips to environmental areas of interest during the four-year program.

Students have ready access to arid, temperate, tropical and marine ecologies, including World Heritage rainforests, the Great Barrier Reef and outback Australia, offering unrivalled excursion, fieldwork and research opportunities. During their studies, students work with and learn from a vast array of specialists in one of the largest groups of experts in Australia, conducting research across many topics relevant to environmental science.

Supplementary information

The Bachelor of Environmental Science (Honours) year commences four weeks prior to the start of Semester 1 in the standard academic calendar (i.e., end of January). For Semester 2, the Bachelor of Environmental Science (Honours) year commences at the start of the standard academic calendar (i.e., end of July).

Majors

Earth Resources

Earth Resources is concerned with the physical environment. Students develop expertise in the assessment of impacts of geological phenomena and of activities related to the extraction and use of the earth's resources.

Ecology

Courses in this major focus on the interrelationships between plant and animal species and their environments and how their populations may be modified by environmental changes.

Molecular and Microbial Science

Molecular and Microbial Science involves applying tools of analytical chemistry and microbiology to the study and improvement of the environment.

Natural Resource Science

Natural Resource Science focuses on the various components of the landscape (soils, water and vegetation) and on correcting the adverse effects of human use of this resource.

Career opportunities

Graduates from this program find employment in departments of state and federal government, universities, in industrial organisations, or in commercial consultancies dealing with environmental monitoring, impact assessment and environmental management. Monitoring work may be associated with licence compliance requirements or initiatives such as green production or greenhouse challenge policies. Graduates are likely to be engaged on environmental impact studies for urban, industrial and rural development of animal feedlots, abattoirs, mining and mineral processing operations, industrial developments, facilities in or bordering on national parks, or residential or agricultural developments adjacent to areas of environmental value.

Additional cost

Courses that include a field trip component may incur additional costs to cover transport, accommodation and food.

International contact details

International Student Advisor
Online: www.uq.edu.au/international/enquiry
Phone: within Australia (free call): 1800 671 980
Outside Australia: +61 3 8676 7004

BACHELOR OF MARINE STUDIES

Program code 2200

Location St Lucia

Commencement semester 1, 2

Duration 4 years full-time

Admission requirements Queensland Year 12

(or equivalent) English, Mathematics B and one of Chemistry or Physics (please see page 88 for Queensland Year 12 subject equivalencies)

Honours Available as a modified program of study in year 4, with entry based on grade point average

Program outline

This program integrates the study of a range of disciplines relevant to understanding, researching and managing the marine environment. Students benefit from UQ's breadth and depth of expertise in aquaculture and marine biotechnology, coastal management, marine biology and ecology, marine geology and coastal processes. UQ's extensive marine science infrastructure includes field stations on the Great Barrier Reef (Heron Island), Low Isles and Stradbroke Island in Moreton Bay. Students also benefit from the UQ's regular involvement in scientific research into coral reef ecology and geology, marine botany and marine biotechnology.

The Bachelor of Marine Studies provides students an opportunity to explore, as a group, the marine and coastal plant and animal communities that make up this subtropical ecosystem. Students are then immersed in the marine environment working with marine experts at UQ's unique research stations.

Supplementary information

The Bachelor of Marine Studies (Honours) year commences four weeks prior to the start of Semester 1 in the standard academic calendar (i.e., end of January). In Semester 2, the Bachelor of Marine Studies (Honours) year commences at the start of the standard academic calendar (e.g., end of July).

Majors

Aquaculture and Marine Biotechnology

The world's growing need for food, drugs and materials from the ocean can be satisfied without the over-exploitation and destruction of its habitats by applying advanced technologies to the cultivation of marine organisms. Students develop expertise in the advanced biology of cultivable marine organisms, including a diverse range of areas in marine biotechnology, including genomics, microbial biotechnology and marine natural products.

Coastal Management

Coastal Management produces graduates with expertise in a range of disciplines, including geomorphology, climatology, ecology, economics, demography, coastal processes, planning and management, spatial information systems and remote sensing. Students are taught to integrate and apply these disciplines effectively in a management context.

Currently, Australia's coastlines are under extreme stress, resulting from climate change and human impact. This major equips graduates to work effectively at the boundaries between science, law, government and industry to find solutions to the complex issues involved. It includes study of maritime law, marine geography, remote sensing, oceanography and human factors impacting on coastlines.

Marine Biology and Ecology

Studies in marine biology span areas as diverse as the discovery and understanding of the basic biology of plants and animals, the behaviour, physiology, and biochemistry of marine organisms, and the functioning of, and interactions within, marine communities. UQ has one of the strongest records in Australia in marine biology. Staff have expertise spanning coral reef biology, fish and fisheries, marine botany, marine parasites and aquaculture in particular. Students acquire a broad knowledge of marine biology together with the skills and knowledge necessary to undertake basic and applied research in marine science. Practical research experience at UQ research stations is emphasised.

Marine Geology and Coastal Processes

The Marine Geology and Coastal Processes major involves studies in the physical sciences necessary to tackle the concerns facing our coastal and marine environments. This major examines the connections between the solid Earth, the hydrosphere and the atmosphere. Students learn to apply scientific

techniques in the study of coral reefs, sediment and nutrient cycles, aspects of seafloor and ocean-island volcanism, offshore petroleum and mineral resources, and climatology.

Career opportunities

Marine scientists find employment with organisations such as the Commonwealth Scientific Industrial Research Organisation (CSIRO) and other government authorities in areas such as:

- research and education
- wildlife conservation
- planning and management
- marine resource development
- engineering
- aquaculture
- ecotourism
- biotechnology
- national heritage work
- environmental impact studies.

Additional cost

Courses that include a field trip component may incur additional costs to cover transport, accommodation and food.

International contact details

International Student Advisor
Online: www.uq.edu.au/international/enquiry
Phone: within Australia (free call): 1800 671 980
Outside Australia: +61 3 8676 7004

BACHELOR OF REGIONAL AND TOWN PLANNING

Program code 2063

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Awarded based on the weighted percentage of specific courses in the program's final year

Program outline

Regional and town planning assists communities, companies and governments to integrate the environmental, economic and social aspects of development from site, up to regional scales. It covers land-use planning, urban design, transport and infrastructure planning, use and extension of information technology, heritage and conservation, resource management, environmental monitoring, planning law and practice, commercial and industrial development, and policy making and implementation. Planning deals with strategic work (long-range planning) as well as structural and statutory components. The latter include the current development of the built and natural environments and the legislative framework controlling land use. Accordingly, planning is closely allied with commerce, economics, government, sociology and the ecology disciplines.

This program emphasises the application of planning theory and the development of design skills through project work. This project work varies in complexity, from simple, small-scale projects to comprehensive development schemes, often in real life situations in conjunction with local authorities and community organisations. The degree features a core of planning courses backed by planning specialisations. A few examples of core courses are: environment and society; planning theory; environmental planning; planning practice; real estate development planning; and environmental impact.

Career opportunities

Graduates find employment with local, state and federal government departments and agencies, private consultancy firms, large land developers, and finance and investment houses concerned with property markets. Work situations range across:

- land-use planning
- transport and infrastructure planning
- urban design
- regional development
- commercial and industrial development
- use and extension of information technology
- resource management
- heritage and conservation
- environmental monitoring
- planning law and practice
- policy making and implementation
- statutory or strategic planning
- tourism
- engineering and architectural applications.

Additional cost

Courses that include a field trip component may incur additional costs to cover transport, accommodation and food.

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF SCIENCE

Program code 2030

Location St Lucia

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English, Mathematics B plus one of Chemistry or Physics (please see page 88 for Queensland Year 12 subject equivalencies)

Honours Available as an additional year of study

Program outline

The Bachelor of Science is a versatile degree that provides students with the optimal balance between a defined sequence of study and flexible course options. This innovative program has been redesigned to develop graduates with the key practical skills and interdisciplinary knowledge required to address today's global challenges. Students study an extensive range of courses underpinned by cutting-edge research and develop high levels of personal initiative, independent thinking and communication skills. Graduates are qualified for employment opportunities in a wide array of science and non-science industries.

Supplementary information

The Bachelor of Science (Honours) commences three weeks prior to the start of Semester 1 in the standard academic calendar (i.e., end of January). For Semester 2, the Bachelor of Science (Honours) commences at the start of the standard academic calendar (i.e., end of July).

Majors

Biochemistry and Molecular Biology

Biochemistry and molecular biology is the study of the chemical basis of life and underpins all disciplines of biology. A major in this area provides students with a detailed understanding of the molecular events that control growth and development of all living things. In addition, students develop an understanding of how such events go wrong in certain disease states and also how they can be exploited in the development of new drugs and improved agricultural processes. Undertaking the Biochemistry and Molecular Biology major informs students on current issues in medicine, the environment, agriculture and industry. For example, diseases such as cancer, ageing, metabolic diseases (including diabetes), heart disease, infectious disease and nutrition, are all now being investigated and treated using biochemical and molecular approaches. Biochemistry and molecular biology also forms the basis of the biotechnology industry. Importantly, the new and exciting disciplines

of proteomics, genomics, bioinformatics, genetic engineering, and drug design all rely on the knowledge of and competency in biochemistry and molecular biology.

Bioinformatics

Bioinformatics is a multidisciplinary science that applies computers to enhance our understanding of biology. Computational biology is changing the way we manage our health and the environment and how research in biological science is conducted. Biologists everywhere will increasingly require a working knowledge of this area as industries move more deeply into genetic technologies and the use of computing to simulate biological processes.

Biomedical Science

The biomedical sciences encompass study areas relevant to the understanding of health and treatment of disease. Biomedical research receives, both nationally and internationally, around half the total research dollars available to all of science. This high representation underscores the relevance of basic biomedical research to health care and the natural curiosity shared by all humans about understanding the mechanisms of our own bodies. Breakthroughs in understanding human disease or its control (vaccines for polio, measles, influenza, antibiotics, cancer genetics) have been, and continue to be, dependent on fundamental research into biological mechanisms at the cellular and molecular level. The Biomedical Science major commences with a broad foundation in the biological sciences in the first two years. In the third year, students choose specialised study in subject areas including physiology, pharmacology, anatomy, developmental biology, human genetics, neuroscience, human immunology and infectious diseases.

Biophysics

Biophysics is a scientific discipline at the crossroads of biology, physics, and chemistry. Biophysicists study structure and function of biological molecules, cells and organisms using the principles and methods of physics. Biophysicists do not only study biological systems, they also develop and build new instruments and tools for research and biomedical applications. Following the human genome project, a milestone in molecular biology and genetics, a growing number of biophysicists will be needed to decipher the structures of all the gene products and the complex interactions between them. Biophysics contributes to a more fundamental understanding of the life sciences and their foundation in physics. It encompasses such rapidly developing fields as biomolecular modelling, crystallography, spectroscopy, radiology, medical physics, ultrasound, and nanotechnology (the science of working with and building structures to the scale of 10–10,000 atoms).

Chemical Sciences

Chemistry is a discipline that interfaces with many other disciplines, particularly biology, materials science, and nanotechnology. This creates some of the most dynamic and rapidly expanding areas of research both within UQ and worldwide. Students can choose from two streams in the major.

The biological chemistry stream gives students a clearer and more precise understanding of the molecular processes that occur in biological systems that are empowering researchers in the biological fields. Students gain a comprehensive understanding of the core chemical principles and how they can be applied to and enrich biological research. In addition, students gain a profound knowledge of the structure and functions of complex biological systems, which is essential in contemporary pharmaceutical, and medical research.

The nanotechnology stream gives students an understanding of the underlying chemical principles in nanotechnology, which enables preparation of advanced materials and the exploration of their properties. With the striking rate of recent advances in this area, nanotechnology is having a major impact on the life sciences, biotechnology, the electronics industry and materials science.

Chemistry

Chemistry encompasses the synthesis and study of molecules and materials, the exploration of their properties and the development of ways to use them in real life. This involves an understanding of the mechanisms of reactions and processes that occur at the molecular level. An understanding of the principles of chemistry underlines disciplines such as biochemistry, engineering, food science, materials science, nanotechnology and pharmacy. Some of the major areas of study are:

- synthetic chemistry: the development of new methodologies to explore the synthesis of new drugs, new materials or new molecular devices
- polymer chemistry: the preparation and study of new polymers with uses as materials, electronic devices, and medicine
- computational chemistry: understanding and predicting the structures and reactivities of molecules and short-lived intermediates using high-level theoretical calculations and powerful supercomputers
- surface chemistry: chemistry occurring at interfaces, which is important in many biological processes, in the study of catalysts, and in nanotechnology
- spectroscopy: examining the interactions between matter and electromagnetic radiation to determine chemical structures and reactivities.

Computer Science

Information and communications technology drives modern science. Students who major in Computer Science study the science of computing and its application to other scientific disciplines. Students who wish to develop a larger set of computing knowledge and skills can proceed to an extended major in Computer Science within the Bachelor of Science. Alternatively, a dual major in computational science allows for specialisation in computational and mathematical problem-solving together with significant studies in another field or science (e.g., biology or physics). Further options for students who have a keen interest in computing include the bachelor degree programs in information technology, software engineering, or multimedia design. Dual degree programs are also available.

Ecology

Ecology is the scientific study of how organisms interact with each other and their environments. Ecological knowledge underpins our capacity to use Australia's natural wealth sustainably and is essential for solving the environmental problems that face us in a new millennium. Studies in this major include: behavioural ecology, physiological ecology, population and community ecology, conservation ecology, landscape ecology, evolutionary ecology, and mathematics. Field courses are a key feature of the study of ecology at UQ. Students gain practical experience in solving ecological problems in rainforest at Lamington National Park, outback Queensland, on the Great Barrier Reef at Heron Island, and on Stradbroke Island in Moreton Bay.

Genetics

Genetics, more than any other discipline, is transforming modern biology. Genetics is the study of inheritance – the structure and expression of genes, the genetic basis of traits, and the interaction between genes and the environment at the population and species level. The growing availability of completely sequenced genomes, computational analysis and molecular analytic tools is allowing unprecedented discoveries in areas as diverse as human medicine, agriculture, conservation biology and biotechnology. The analysis of vast collections of genomic data has spawned the new discipline of bioinformatics that has required the development of new analytical and programming tools. Genetics is an appropriate major to be taken on its own or in combination with any other biological major or computer science.

Geographical Sciences

Geographical science investigates the spatial patterns of physical and human phenomena at local, national and global scales. It examines

the patterns and processes of natural and built environments and human activity, how they change over time and how they interact.

Physical geography is concerned with the patterns and processes in climate, landforms, soils, plants, animals as well as the impact of human activities on these systems.

Human geography examines how people interact with the environment. It also looks at applying physical geography elements to human ends. Human geography involves applied studies in urban and rural settlement, location and land-use, human spatial behaviour and demography.

Geographical information science is the study of geographic information systems and remote-sensing for modelling, managing, analysing and applying geo-referenced information in a variety of contexts. It is concerned with the interpretation and analysis of geographical information obtained from airborne and satellite images, land surveying, field observation and data systems. It has applications in Earth, biological and environmental sciences, built environments, human settlements, planning and natural resources.

Geological Sciences

Geology is the study of the interacting systems of the solid Earth, atmosphere, hydrosphere, and biosphere as they evolve through time. Geologists discover, develop, and responsibly manage minerals, energy, and other Earth resources. Geological knowledge underpins our capacity to ensure a sustainable supply of natural resources and the use of these resources responsibly, and it is essential for solving environmental challenges, such as global climate change. UQ offers a wide range of core courses in geology, chemistry, mathematics and physics, which provide a foundation for the study of fundamental geologic methods and problems, both in the laboratory and in the field. Students can specialise in economic geology, mining geology, energy resources, geophysics, environmental geology, geochemistry, palaeobiology, marine geology, surficial processes and landscape evolution, tectonics, and remote sensing. Most students complete advanced courses in field geology, culminating with a trip to the Mt. Isa region. Field and laboratory-based projects during the honours year solidify geologic skills and provide essential training for independent research.

Marine Science

Marine science is the scientific study of oceans and coastal habitats, and includes a wide range of disciplines in the biological, chemical, physical and earth sciences. Students can pursue a general study plan or a more specialised plan in areas such as marine biology or marine geology. With an increasing focus on the role of oceans to provide food and resources for growing populations, the next generation of UQ marine scientists will play a major role in ensuring that people protect and profit from oceans. UQ has the largest and best marine research facilities of any Australian tertiary institution, and also possesses the largest assembly of marine scientists in Queensland. Students have an opportunity to undertake studies at the Moreton Bay Research Station (MBRS), Heron Island Research Station (HIRS) in the southern Great Barrier Reef and the Low Isles Research Station in the far northern Great Barrier Reef.

Mathematics

Mathematics is one of the most enduring fields of study, and is essential in an expanding number of disciplines and professions. While many mathematicians continue to develop new mathematics for its own sake, mathematicians now also combine their knowledge of mathematics and statistics with modelling and computational skills and use the latest computer technology to solve problems in the physical and biological sciences, engineering, information technology, economics, and business. UQ offers a wide range of courses in mathematics and its applications. In first-year, students study essential topics in calculus, linear algebra and differential equations. In later years, students select from more specialised courses. These emphasise new ideas in mathematics, and include recent applications

in coding and cryptography, mathematical physics, mathematical biology, bioinformatics and finance.

Microbiology

Microbiology is the study of microscopic living organisms: bacteria, viruses, fungi, algae and protozoa. These organisms have a major impact on all aspects of life. Diseases caused by microbes are well known and can involve viruses (e.g., influenza and HIV), bacteria (e.g., meningococcus, staphylococcus, E. coli) and protozoa (e.g., malaria). The understanding of these organisms is directly linked to the control and prevention of infectious diseases. Immunology plays a key role in understanding how humans and animals respond to the challenge of these disease-causing organisms. In recent years, research in microbiology has been revolutionised by new and exciting technologies such as proteomics, genomics, bioinformatics and genetic engineering. Thus, microbiology is a discipline of enormous importance in basic and applied science.

Physics

Physics is one of the fundamental sciences and involves solving the big questions that have always intrigued humankind: Where did we come from? and Where are we headed? 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. Physicists explore and identify basic principles governing the structure and behaviour of matter, the generation and transfer of energy, and the interaction of matter and energy. Some physicists use these principles in theoretical or experimental studies on topics such as the nature of time and the origin of the universe. Others apply their physics knowledge to practical areas, developing advanced materials, electronic and optical devices, and equipment for a wide range of fields, such as medicine, mining, astronomy and geophysics. Physics is also at the heart of new interdisciplinary areas such as information technology, nanotechnology, quantum technology and biophotonics. In newly developing areas in the biosciences, an understanding of basic physical principles is one of the keys to advancing knowledge.

Plant Science

Plant scientists are currently working to address two of the most important problems facing humankind: global warming and dependency on fossil fuels. These scientists are using a variety of approaches, such as producing biofuels from plants and using plants in carbon sequestration. Animals and humans depend utterly on plants, and not only for food. Today, plant science has demolished the classic barriers of being confined to farm and food production. With the advent of contemporary biotechnology, plants are being used to decontaminate land and air, produce industrial products, designer molecules, biopharmaceuticals and energy (biofuels). In addition, designer plants are producing biodegradable plastics, new healthier sugars and anti-cancer drugs. Plant scientists need to understand how plants work, from molecules to ecosystems to improve the production of food, pharmaceuticals and timber, to control diseases, pests and noxious weeds, to allow them to cope with drought, salinity and pollutants and to design new plants for innovative purposes such as biofactories.

Psychology

Psychology is the scientific study of how people behave, think and feel. It is a broad ranging discipline that spans topics including brain function, memory, conscious experience, lifespan development, social behaviour and the full spectrum of functional and dysfunctional behaviour. Students gain an understanding of how to apply the scientific perspective to psychological phenomena in the laboratory and in the real world.

Statistics

Statistics is an essential part of science, providing the mathematical language and techniques necessary for understanding and dealing with chance and

uncertainty in nature. Statistics involves the design, collection, analysis and interpretation of numerical data, with the aim of extracting patterns and other useful information. Examples include the analysis of DNA and protein sequences, the construction of evolutionary trees from genetic data, the improvement of medical treatments via experimental designs, and the assessment of drought conditions through meteorological data. A main feature of statistics is the development and use of statistical and probabilistic models for random phenomena, which can be analysed and used to make principled predictions and decisions. Examples of such models can be found in biology (genetics, population modelling), finance (stock market fluctuations, insurance claims), physics (quantum mechanics/computing), medicine (epidemiology, spread of HIV/AIDS), telecommunications (Internet traffic, mobile phone calls), and reliability (safety of oil rigs, aircraft failure).

Zoology

Zoology is a branch of biology that deals with the scientific study of animals. Fundamental to this science is an appreciation and understanding of animal evolution and diversity, gained through research into aspects of the morphology, development and genetics, behaviour, ecology, physiology, biochemistry and molecular biology of animals. Zoologists explore the relationships and interactions of animals with their physical and biological environments at individual, population, community and ecosystem levels, and utilise modern comparative and experimental approaches to investigate the evolution and diversity of animals. The study of Australia's unique fauna provides exciting and rewarding opportunities for zoologists to understand and appreciate animal life.

Students seeking qualifications as professional zoologists are guided in selection of combinations of courses that lead to training in the specialisations of wildlife and conservation biology, entomology, environmental physiology, marine biology, fisheries biology and aquaculture, terrestrial ecology, molecular ecology and mathematical applications in biology. Field courses are offered in arid zone ecology, rainforest ecology, marine ecology, and coral reef biology.

Dual degree programs

- Business Management
- Commerce
- Engineering
- Economics
- Arts
- Education(Secondary)
- Information Technology
- Journalism
- Medicine and Surgery
- Laws

Additional cost

Courses that include a field trip component may incur additional costs to cover transport, accommodation and food.

International contact details

International Student Advisor
 Online: www.uq.edu.au/international/enquiry
 Phone: within Australia (free call): 1800 671 980
 Outside Australia: +61 3 8676 7004



Stanley Leong came to UQ from Singapore to complete the Bachelor of Journalism (Honours). Since graduating he is back in Singapore, working as a Senior Producer-Presenter at 938LIVE, Singapore's only English news-talk radio station.

Stanley's key responsibilities are the production and hosting of a weekday talkshow called The Living Room on 938LIVE.

"Apart from sniffing out topics for discussion and extending invitations to potential interviewees for a live studio chat, I also conduct the interviews, and produce commercials and trailers for radio broadcast, on top of producing a business-related capsule called Positive Business Minutes and the station's event listing segment, Event Spotlight," he said.

Stanley found employment within a month of graduating from UQ and returning to Singapore.

"My UQ qualifications were recognised and well-regarded by employers in Singapore," he said.

"The program I pursued at UQ allowed me to work almost independently and instilled not just a good understanding of the standards of media reporting, but also cultivated resourcefulness and discipline."

For anyone aspiring to work in the fast-moving media industry, Stanley says you must be able to embrace change.

"One must also have initiative, be bold, yet sensitive, and have a healthy appetite for news and current affairs. You also need to possess a strong command of the English language, both oral and written."

He says students should seek out opportunities for internships to get their feet wet. "It'll also be a foot in the door when a prospective employer looks at your resume and notices your experience in the broadcast industry."

"In order to have staying power, you must have passion for the business. That will go a long way in keeping you happy and fulfilled in your job."

STANLEY LEONG
SINGAPORE
BACHELOR OF JOURNALISM (HONOURS)

A CAREER THAT SHAPES THE WORLD

Learn from a market leader

UQ is the second largest educator of the humanities in Australia (as reported in the *Good Universities Guide*, 2008). UQ's prestigious Bachelor of Arts degree has been offered since UQ was opened to students in 1911, attracting excellent lecturers and students from around Australia and overseas.

Practical experiences while you study

As a student in these disciplines, you will have unique opportunities for internships, allowing you to gain valuable hands-on experience, which, for many of our graduates, has led to employment soon after completing their degree. Undertaking an internship during your degree will help you develop practical skills, build self-confidence, and gain competencies in the workplace.

State-of-the-art facilities

New teaching and learning facilities demonstrate our commitment to technological innovations that support your learning experience. New facilities include the Journalism and Communication Ideas Centre, a group interactive learning centre, upgraded archaeology labs and a new drama teaching facility. Other facilities include the Anthropology Museum, which celebrates the culture of the Indigenous people of Oceania, the Antiquities Museum, which contains archaeological artefacts that span almost 3500 years, and the Art Museum, which supports teaching and research in visual culture and presents an innovative exhibitions program.

Rewards for top students

Our top students are rewarded with invitations to participate in the Arts Faculty Scholars Program or the Faculty of Social and Behavioural Sciences Deans Scholar Program. Both programs provide outstanding students with a number of benefits and specialised opportunities. Participation is also noted on academic records.

HUMANITIES, SOCIAL SCIENCE, EDUCATION & ARTS



Smooth transition to university life

We understand that making the transition to university life can sometimes be difficult, and we have implemented new initiatives to help you settle in. These include student mentors in a number of our schools and lunchtime workshops on how to make the most of your time at university.

The disciplines of humanities, social science, education and arts produce graduates who have the skills to understand and conceptualise the world in which we live. Programs can be focused on one area, or can be broader and more liberal, and are often taken as part of a dual degree program.

The career possibilities for graduates are as broad as the range of study options, and may lead to employment in areas including:

- anthropology
- archaeology
- advertising, marketing and public relations
- communication and trade
- community development
- consumer affairs
- corporate communications
- criminal justice and criminology
- cultural affairs
- diplomacy
- disability services
- writing, editing and publishing
- environmental protection and management
- event coordination
- health services
- human resources
- human service organisations
- humanitarian aid
- Indigenous affairs
- interpreting services
- intelligence agencies
- journalism
- libraries
- media
- museums and galleries
- music
- policy development and research
- politics
- psychology
- public affairs management
- social services
- sports administration
- social work
- statistical research
- teaching
- theatre management
- youth services.

Degrees in this discipline

– Arts	70
– Communication	72
– Creative Arts	73
– Education (Middle Years of Schooling)	74
– Education (Primary)	74
– Education (Secondary)	74
– Human Services	75
– International Studies	75
– Journalism	76
– Music	77
– Psychological Science	77
– Social Science	78
– Social Work	78

Diplomas in this discipline

– Global Issues	75
– Languages	77
– Music	77

Faculty of Arts
www.arts.uq.edu.au

Faculty of Social and Behavioural Sciences
www.uq.edu.au/sbs

BACHELOR OF ARTS

Program code 2000

Location St Lucia

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Available as an additional year of study

Program outline

The Bachelor of Arts (BA) is the oldest degree in the Western university tradition. The program offers courses in the core disciplines of humanities and social sciences. Students can choose from a wide range of majors, tailoring the degree to suit their own particular career aspirations. Students undertake two single majors, or a more concentrated extended major and a minor, plus a range of electives. The honours program requires an additional year and calls for greater specialisation in a chosen area at a high standard of scholarship.

A Bachelor of Arts graduate is someone who has gained skills and knowledge, not just in a subject area, but also in written communication.

Majors

Aboriginal and Torres Strait Island Studies

This major helps students to appreciate the unique way that Aboriginal and Torres Strait Islander people see the world. Students gain a deep understanding of Indigenous perspectives on everyday life in Australia today as well as on the major social, economic and political events and processes in Australia's history. Students learn from Aboriginal and Torres Strait Islander teachers, as well as from non-Indigenous staff who work closely with Indigenous communities.

Ancient History

The early Mediterranean cultures provide the foundations of much of Western civilisation, and study of these cultures is relevant today. Students learn about ancient civilisations and cultures including Greece and Rome. Their history, literature, religion, philosophy, social customs, art and architecture are examined in depth. With ancient society and traditions influencing the customs and culture of our current society, this focus provides students with an understanding of the basis of many facets of current society.

Ancient History/History

The Ancient History/History major provides students with a wide breadth of history across the ancient and modern worlds. Ancient history allows students to examine the early Mediterranean cultures, including their literature, religion, philosophy, social customs, art and architecture. With ancient society and traditions influencing the customs and culture of current society, this focus provides an understanding of the basis of many facets of current society. History teaches students how to interrogate the past and how to enter into dialogue with the forces that have shaped the world.

Anthropology

Anthropology is the study of human life and experience in all its diversity and richness, ranging from small-scale Indigenous peoples to the modern capitalist world system with all its globalising processes. Anthropologists have many different perspectives on the study of human societies and culture, past and present, and they consider a range of interpretive questions, the broadest being: Why do people do what they do? Since anthropology employs a broad approach it also draws on other disciplines such as human biology, ecology, linguistics, history, politics and psychology.

Archaeology

Archaeology is the scientific study of the human past. Archaeologists search out and excavate ancient sites and examine artefacts to gain clues about how various peoples and cultures developed

and changed through the ages. Archaeologists at UQ undertake research of international importance, and their varied interests take them into the field in Australasia, the Pacific (Hawaii, Easter Island), the Mediterranean and Near East (Pompeii, Turkey), the Maya region of Central America, India, and France. In Australia, they study the archaeology of 50,000 years of Aboriginal settlement, as well as the post-European colonisation period.

Art History

Art History is the study of the objects considered to be art across a variety of cultures and times. Students look at paintings, sculptures, modern works of art that can't really be called either of these, as well as Aboriginal art and the art of the Asia Pacific region. The major also looks at films, and in the more advanced courses, answers that famous question: What is art?

Asian Studies

Whether it is for work, study or pleasure, dealing with Asia requires knowledge of sometimes vastly different societies. This major provides a flexible way of getting to know the region and the opportunities available, without having to learn a foreign language. All teaching of Asian studies courses is in English. Asian Studies introduces students to the diverse cultures and histories of the countries in the region. Students learn about the political and economic systems of the countries and their ramifications for Australia.

Chinese

China has not only one of the oldest and most splendid cultures, but is now an increasingly important player on the world economic and political scene. Chinese is spoken by one in every six people in the world today, and is the most common language spoken in Australia after English. China and Australia also have close economic and cultural ties. The Chinese major offers courses in spoken and written language, from introductory to advanced levels. There are separate majors for native speakers of Mandarin and other Chinese dialects. Students can undertake specialist courses in literature, culture, translation, business and language teaching.

Classical Languages

One fascinating way to explore the depths of another culture is to become familiar with the languages in which its ideas were originally presented. Classical Greek and Latin provide students with a basis to further their reading and writing skills in two of the oldest languages in the world. These two classical languages have traditionally held a central position in Western education, and they remain important for the study not only of the Greco-Roman world, but also of the languages, ideas and literatures (including English) of societies that grew out of the classical world.

Comparative Literary and Cultural Studies

The Comparative Literary and Cultural Studies major allows students to study the literatures and cultures of France, Germany, Russia, Spain and their associated (post)colonial variations from a comparative perspective. All classes are taught in English, and all texts are studied in English translation, so there is no language requirement. The courses studied in this major will appeal to students who are interested in literary and cultural studies, and provide an international perspective on these fields of inquiry.

Criminology

The Criminology major at UQ can be distinguished by its focus on the public policy implications of crime in a way that is both theoretically informed and methodologically rigorous. The major is strongly cross-disciplinary, and enables students to combine criminology with other fields of study, such as sociology, political science, law, psychology, history and philosophy. Students of this major become highly trained in social research methods and critical thinking, and learn to examine crime and its regulation within the context of social, economic and political shifts in contemporary society.

Drama

Seeing and critiquing professional performance, reading plays from around the world and throughout

the past 2000 years, and honing performance skills are all part of the drama major. Students learn how to interpret theatre through time and space, and are also challenged to think about what constitutes performance, not only on the stage, but also on the page and in everyday life. Students develop an understanding of the theatrical and literary aspects of drama, from ancient Greek classics to Medieval theatre and to the most recent Australian and European plays. No audition is required, but there are practical performance options at advanced level.

Economics

Economics is the science of decision-making. Individuals, communities, companies and governments face choices every day, weighing up the costs and benefits to make the best decisions possible. With the ongoing momentum of globalisation, development, economic/financial/cultural integration and increasing pressure for ecological sustainability, economics remains the key element. Economics determines much of today's social and political landscape, and students trained in this field are exceptionally well positioned to play a leading part in the future direction of business, government and society.

English

English is the medium of communication, business and entertainment for millions of people around the world. From witty plays and elegant films to pungent protest songs and complex novels, it allows people to formulate and convey their particular vision of the world and their often urgent desire to celebrate or improve it. Students examine examples of English at work in different circumstances, ranging from poetry to television and the Internet.

English Language and Communication

As the world's most global language, the English language permeates almost all aspects of our daily social lives, from face-to-face interaction to professional presentations, from emails to report writing. The English Language and Communication major combines a study of the structural organisation of the English language with its role in communication practice to explore the many ways English can be used in societies, large and small. The courses in the major develop an awareness of language as a central part of the practice of communication, as well as an awareness of the role of English in cross-cultural contexts.

English Literature

The English Literature major introduces students to one of the world's key literary traditions, as well as to contemporary global English-language literary culture.

Undertaking the formal study of English literature from its beginnings to the present day is to be introduced to a vast intellectual and cultural history – one that records the almost infinitely different ways in which men and women, from a great variety of different times and places, have lived, thought, argued, felt and imagined. Many of the novels, poems, plays and non-fictional works students encounter in this major rank amongst the greatest products of the human mind. The major also introduces students to some influential ways of thinking about literature.

Film and Television Studies

Film and Television Studies involves the critical study of film and television texts. It introduces the language of film and television and the principal ways in which they are written about and analysed. The key focus is on popular film and television and the contexts within which they are produced. Students look at various film movements, including Australian cinema, and films in a range of foreign languages, as well as various film and television genres.

French

In this major, students study French language and culture concurrently. Whether students wish to study French because it is one of the major diplomatic languages of the world, or because they want to do business with members of the massive Francophone population, or because they have always been fascinated by one of the richest and most influential

Western cultures in existence, or simply because it is the language of love, they will need to understand something about French and Francophone culture. Students can study French without any prior knowledge or having done French at high school.

Gender Studies

The Gender Studies major offers sustained, in-depth study of questions of gender in Australian and other cultures and societies. Courses based in several disciplines in both the humanities and the social sciences, including English literature, philosophy, political science, history, and anthropology, complement courses specifically on gender, in which students are introduced to the cross-disciplinary modes of inquiry. Gender Studies offers innovative and evolving perspectives and original approaches to social and political problems.

Geography

A career in geography has never been more relevant or important to society and its future. With the Earth's population set to expand from six billion to nine billion in the next 50 years, humans will influence and be influenced by the environment more than ever before. The world will need professionals who are able to monitor and assess changes in the environment. Geographers study patterns and processes of natural and built environments and of human activities, and their causes and consequences. They collect, analyse and report this information to enable informed decision-making to take place. Geographers are actively involved in addressing many of today's big issues, such as climate change and population growth.

German

German is one of the most widely spoken languages on Earth, and a major community language in Australia. The German-speaking countries lie at the heart of Europe, and Australia welcomes tens of thousands of tourists from those countries every year. Germany has one of the strongest economies in the world, and is a leader in many areas of technology and culture. German language skills are an asset in many careers, including international relations, international business, tourism, interpreting/translation, teaching and the sciences.

History

History is an on-going dialogue between the present and the past, about how the past should be understood and interpreted, and about what meaning should be assigned to the past. An informed understanding of the present and our expectations for the future go hand-in-hand with a knowledge of history. History provides an essential framework for all the humanities and social sciences. The study of history further promotes the acquisition of important professional skills, such as the ability to conduct archival research and the ability to interpret information embedded in the past.

Indonesian

Indonesian is the official language of Indonesia. There are more than 200 million speakers of Indonesian, making it the fifth most widely spoken language in the world. As the national language, Indonesian serves as a focus of national identity, linking together the rich ethnic and cultural diversity of Indonesia's more than 300 distinct ethnic groups. Indonesian is used in all government and public domains, including in education, commerce and the mass media. Knowledge of Indonesia, with the world's largest Muslim population, is a key part of Australia's future. Learning Indonesian is a great first step to becoming an Indonesia expert.

Information Technology

Computing is an important tool in just about every discipline, from human movement studies to psychology to drama. To make best use of the tools available, and especially to see the possibilities of new tools, students need to understand what computers do and how to program them. In this major, students learn how to think logically about a problem and its solution. Students learn how to develop software as tools for humans. Students

have the opportunity to focus on different aspects of computer systems: writing programs, designing information systems and understanding how the computers, communication networks and programs work together as a coherent system.

International Relations

Studies in International Relations equip students with the necessary theoretical and practical tools to analyse and evaluate events and issues, both domestically and internationally. This major introduces students to the significant trends shaping the world, trains them in ways to conceptualise and apply key approaches to the ideas and policies that drive contemporary international politics, and incorporates such training into the development of practical skills designed to enhance their professional competitiveness and opportunities. The major commences with an introduction to international relations and international inequality and development.

Islamic Studies

This major enables students to complete an in-depth study of Islam and of Muslims in a range of historical and contemporary perspectives. Perspectives include the contemporary as well as the pre-modern. By studying the Islamic past, students are more able to comprehend the socio-economic and political dilemmas facing Muslims today, both in and outside of Australia. This major provides students with a broad background in the culture of Muslim societies in various parts of the Islamic world, and an understanding of how the Islamic world and the West interact. Particular emphasis is placed on the history, religion, law and literature of Islamic civilisations, as well as contemporary issues such as nationalism, tolerance and ethnic conflict, and modern social movements.

Italian

Studying Italian will give you knowledge of a culture which has strongly influenced the art, music, architecture and literature of Europe and Australia. UQ students can study Italian language and culture through Griffith University. The Italian major includes language courses from beginner to advanced levels, as well as content-based courses (mostly delivered in Italian) exploring contemporary society, cinema, media, music, literature, politics, popular culture and food culture. Students practise Italian through new communication technologies, such as blogs, wikis and mobile phones, as well as in face-to-face meetings with native speakers. Past students have gone on to establish careers in a variety of fields, from education, law, migration services and to business.

Japanese

Japanese is a key world language used to facilitate economic pursuits, research and government interaction. It is particularly useful for those seeking a career in business, tourism, technology, the media, art, literature or education. An understanding of Japanese can broaden the scope of personal, social and professional networks, and provide graduates with the potential to travel, live and work in Japan and to engage with speakers of Japanese in Australia, Japan and elsewhere. More than 20 exchange programs with prestigious Japanese universities are available to allow students to advance their linguistic skills and cultural understanding through in-country experience.

Journalism and Mass Communication

The major draws on the established reputation of the BA to prepare graduates for jobs where critical understanding, flexibility, research, analytical and communication skills are required, including careers in mass communications, the media and journalism. The Journalism and Mass Communication major provides a broader basis for careers in mass communications, the media and journalism as well as a wide range of other occupations.

Korean

Students who study and use the Korean language gain a profound appreciation of different ways of thinking, a diverse history and rich cultural traditions.

Students experience contemporary Korean popular culture, such as films and TV drama. Korean skills give students a competitive edge in the job market, for example in law, business, tourism, teaching, finance, diplomacy, journalism, science, information technology, manufacturing, and any area with an international focus. Presently in Korea there are many English teaching positions available, from kindergarten to university level.

Linguistics

Linguistics is the study of language as a human behaviour, how it is structured and used. Linguistics at UQ addresses the nature and use of language in general, as manifested in specific languages. Courses in the structure of language examine its sounds (phonetics and phonology), words (morphology), sentences (syntax) and meaning (semantics) and the complex interactions between these properties of language. Students also study how language is used, including how children acquire language and how adults process it (psycholinguistics). Other areas investigated are the way languages change across time (historical linguistics), and how different regional, social or occupational varieties develop (sociolinguistics).

Logic and Philosophy of Science

The Logic and Philosophy of Science major examines fundamental issues in formal and informal reasoning, the nature of scientific reasoning, and other issues concerned with scientific method, scientific knowledge, the rise of modern science, the nature of scientific entities and metaphysical concepts that underlie science. Questions of general interest remain unanswered – questions about the world, the concepts used to describe it, and the ways it is reasoned about. The Logic and Philosophy of Science major at UQ is unique in Australasia in offering students a full program of study in the sub-disciplines of logic and philosophy of science, and is taught by internationally recognised researchers. Bridging mathematics, science and the arts, this major provides an opportunity for focused study at their intersection, rarely available to undergraduate students.

Mathematics

Mathematics is one of the oldest disciplines, and many mathematicians continue to develop new mathematics for its own sake. But today mathematicians also combine their knowledge of mathematics and statistics with modelling and computational skills and the latest computer technology, to solve problems in the physical and biological sciences, engineering, information technology, economics and finance.

Media, Communication and Cultural Studies

Media studies involves the critical study of various aspects of the media. The courses in the major consider newspapers, magazines, radio, film, television and new media in order to develop an appreciation of how these operate in culture and how the industries that produce them, the audiences that consume them, and the institutions that interact with them, all function. Communication studies and cultural studies deal with the general processes through which people communicate, and both are particularly concerned with investigations of everyday life. Together they concentrate on examples of communicative processes in interpersonal, intercultural and institutional contexts, and on the forms and meanings of popular culture. Students consider a range of everyday situations and interactions, and analyse popular cultural texts including television, radio, Internet and print sources.

Music

Music is one of the most powerful and evocative of arts forms. To the uninitiated, however, the source of its attraction and communicativeness remains little more than a potent mystery. The Music major helps students to understand music's diverse social and historical meanings, and well as providing a key to its written and aural complexities. The major approaches the study of Western art music in a challenging and engaging way, incorporating critical perspectives and historical knowledge along with written and aural skills. Students contemplating the

extended major will have a choice of two streams – a musicological stream, which further develops the aspects described above, and a professional stream, which combines elements of the above with a specially developed suit of courses designed for students interested to pursue the professional fields of music education or music therapy through the relevant dual-degree or postgraduate programs.

Peace and Conflict Studies

Peace and conflict studies are assuming increasing importance, both internationally and within nations, as governments and non-government organisations struggle to find ways to resolve conflicts without recourse to violence. The objective of the Peace and Conflict Studies major is to provide students with an understanding of the causes of political conflict and the possibilities of finding peaceful solutions to them. This requires development of diagnostic tools for the analysis of social and political situations, a capacity to engage in and understand the evaluation of alternative courses of action and the skills to incorporate values within political analysis.

Philosophy

Philosophy examines fundamental problems such as the scope and limits of human knowledge, the ultimate constituents of reality, the sources of value and obligation and the nature of correct reasoning. All this began with attempts to answer two deceptively simple questions: What can we know? and How should we live? The subject matter of philosophy isn't clearly marked out, as it is for physics, mathematics or history. However, for students to pursue any of these disciplines, questions of universal interest remain unanswered – questions about the world and our place in it, about moral standards and methods of reasoning. Philosophy is the systematic attempt to address such questions. Philosophy aims not to teach students what to think, but how to think. The Philosophy major at UQ not only offers students the only accredited philosophy major available for study in Queensland, but also provides students with opportunities to study with internationally recognised philosophers in a research-intensive environment, across the breadth of the discipline. Emphasising the key role that critical thinking plays in a healthy society, the major equips students to participate more fully in leadership roles in the broader community.

Political Science

Political Science includes studies of political structures, processes and policies in Australia as well as other societies, the contemporary ideas, ideologies and theories that determine the framework for political decision-making, and the organisational and diplomatic approaches to cooperation and conflict resolution in the international system. Studies in Political Science provide students with detailed knowledge of the discipline's sub-strands and how they may be integrated into a broader understanding of key political processes.

Popular Music

Popular music is an ever-present part of everyday life. It has the power to uplift, stimulate, comfort, motivate, and communicate like no other art form. Its attractiveness lies in its ubiquity, openness and lack of convention. It provides the raw material for a vast international industry. Courses in this major help students to understand their own response to music and the society in which they live. Courses also help students to express themselves in writing and in music production, and inspire them to consider and experience the power and wonders of music.

Psychology

Psychology is a broad ranging discipline that includes the scientific study of human behaviour and mental processes, and the systematic application of this knowledge in specific contexts such as mental health (clinical psychology), work (organisational psychology), education or sport. Many people who study psychology will not go on to become psychologists, but will find their training in psychology to be highly relevant and useful in their lives and work. Those who do become psychologists may work in a variety of settings

including hospitals, schools, government bodies, large corporations, or in private practice.

Public Policy

Studies in Public Policy are designed to help students come to grips with issues of contemporary governance in general, and with the institutions and processes of public policy in particular. The main focus of studies in this area is on the political, institutional, economic, social and ideological forces that shape Australian governance and public policy. On completing the major, students should be equipped to answer questions such as: How do we formulate and analyse economic, environmental, social or foreign policy? Which groups have the most say? and How do we understand the complexities of the policy system and make sense of what governments do?

Russian

With almost 200 million native speakers in Europe and Asia, Russian is truly an international language and, at the same time, a gateway to one of the world's great cultures. This major combines a comprehensive language acquisition program from beginners' level with studies in many other aspects of the Russians' world. Learning to understand how the Russian State has expanded and Russian society has evolved over the centuries or developing an appreciation of Russian literature, drama or film gives students insights into the wider context within which the language is used, and also encourages them to look beyond the stereotypes and clichés that often characterise notions of other nations.

Sociology

The Sociology major at UQ has a longstanding tradition and is widely recognised as a leader in sociological scholarship in Australia. Students develop a distinctive set of skills and experiences that are highly sought after by employers. These include rigorous training in research methods and an ability to apply critical thinking and evidence-based research to understand a broad range of phenomena, such as social change, modern society and culture, contemporary social institutions and the relationship between people and the environment.

Spanish

Spanish is the first language of more than 400 million people and the second language of millions more in Europe, the United States, Brazil, Asia and North Africa. Due to demographic and political factors, Spanish is now a de facto second language in the United States, Brazil, and virtually all the smaller states in the Caribbean and Central/South America. Spanish is an official language in international bodies such as the United Nations and World Bank. With Australia's increased exposure to the world economy and competitive labour market, being fluent in a world language like Spanish gives students highly employable communication skills. The ability to speak Spanish also enhances travel experience throughout the vast Spanish speaking world. There is also a long and strong tradition and diversity in the areas of Spanish and Latin American literature and culture, which the courses in this major explore.

Sports Studies

Sports Studies provides students with an understanding of the sport and leisure industries from sociological, historical, economic and psychological perspectives. Students undertake courses in the social science and humanities areas of the study of sport, as well as courses relating to the sociology of sport and the human body in society. The growth in the sport, physical activity and health industries over the past two decades has created a range of employment opportunities in the areas of social policy, journalism, management, marketing, planning and development, education, and psychology. Sports Studies graduates hold leadership positions with state and national sporting teams, the media and international sporting organisations working in the areas such as sports coaching, sports development, and sports management and administration.

Studies in Religion

Religion and spiritual ideas have shaped and continue to shape many societies across the globe.

The Studies in Religion major offers students the opportunity to expand their religious and spiritual horizons, increase their knowledge of some of these traditions and ideas, and to develop critical methods of evaluating them. Studies in Religion offers courses by professional and highly enthusiastic teachers in the areas of Western and Eastern religious traditions, spiritual practices and religious thought, in the psychology of religion, in new religious movements, and in the original languages of the sacred texts of Buddhism, Christianity, Hinduism and Islam.

Writing

There's a knack to producing writing worth reading, and that's what this major helps students achieve. Students develop a fundamental and substantial understanding of how language works at the word, sentence, paragraph, and document level. Students learn strategies for designing, structuring, writing, and revising on paper and online. Whether students are aiming to be creative or corporate writers, this major trains them to produce compelling, career-enhancing writing in a variety of fiction and non-fiction genres.

Career opportunities

The Bachelor of Arts provides a broad, flexible education and is excellent preparation for a wide range of careers. Many employers, especially in large organisations, look for people with the skills an Arts degree provides. Some specialised areas of study lead to careers in specific fields such as psychology, linguistics, or languages. Other areas are general training for professional/semi-professional careers in fields such as economics, English and information technology. Other career opportunities exist in: administration; advertising; art galleries and museums; consulting; consumer affairs; cultural organisations; diplomatic and trade services; education; environmental protection and management; event coordination; film and television; finance; foreign affairs; fundraising; government; human resource management; information management/technology; insurance; labour unions; marketing; media and entertainment; politics; public affairs; public relations; publishing and research; real estate; recreation and leisure; research; retail; social services; sociology; sports coordinating; statistics; translating/interpreting; travel and tourism; welfare; writing.

Dual degree programs

- Education (Secondary)
- Social Science
- Business Management
- Commerce
- Engineering
- Economics
- Journalism
- Music
- Science
- International Hotel and Tourism Management
- Information Technology
- Medicine and Surgery
- Communication
- Laws
- Education (Middle Years of Schooling)

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF COMMUNICATION

Program code 2236

Location St Lucia

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Available as an additional year of study

Program outline

Communication at UQ puts students at the centre of the contemporary information society and economy.

Students develop knowledge of communication and communication processes and become more effective communicators.

Communication straddles many aspects of life and work. In the core courses, students develop understanding and skills in a number of areas: visual, written, multimedia and spoken and interpersonal communication and in researching and exploring communications.

Students then specialise by choosing a major in either Communication and Culture, Public Relations, Mass Communication or Organisational Communication. To complete the program, students choose free electives, a second major, or a smaller minor in one of the four areas or in Advertising, Interaction Design, or Health Communication. All combine practise and theory, and provide a platform for either employment or further study.

Communication is an expanding area of employment, and the Bachelor of Communication prepares students for careers in areas such as: public relations, advertising, media planning and analysis; film and television; Web design and management; business communication; and health promotion. Further study can lead to careers in teaching communication at all levels.

Majors

Communication, Media and Culture

The Communication, Media and Culture major combines the study of basic language and communication with the study of contemporary culture and everyday life concentrating on examples of communicative processes in interpersonal, intercultural and institutional contexts, and on the forms and meanings of popular culture. Students consider a range of everyday situations and interactions, and analyse popular cultural texts, including television, radio, Internet and print sources, as well as the cultural identities, spaces and practices associated with these. The major emphasises critical and analytic skills and encourages students to develop these alongside general skills of communication.

Mass Communication

Mass Communication encompasses various streams of study. Courses cover: the impact of mass communication on society; analysis of populations and audiences; understanding of media cultures; political communication; communication of stereotypes, racism, prejudice; and global communication.

Organisational Communication

This area of study offers students the opportunity to learn forms of communication within and between organisations – to learn the art of influence and persuasion. Students become adept at evaluating and improving the design of paper and electronic communication systems. Courses offer an understanding of theories of advertising, public relations, corporate identity and intercultural communication.

Public Relations

This field provides students with the skills required in the profession and practice of public relations (PR), which assists organisations in establishing and maintaining communication and cooperation with stakeholder groups. Students learn the theories of PR and communication, understand the importance of the management of stakeholder relationships and reputation, acquire skills in public opinion analysis, learn to identify and manage organisational issues, and develop a crisis management plan. The major also teaches the skills required to research, plan, and implement a strategic public relations campaign, from objectives, stakeholder identification, and strategies and tactics, to budgeting and evaluation. Students gain an understanding of how globalisation and new media impacts public relations practices, and learn about the legal and ethical frameworks for the profession.

Career opportunities

Communication graduates are suited to a variety of career opportunities, including: mediation/dispute/crisis consultancy

- communication management in government and commercial agencies
- interactive multimedia design and Web management
- advertising media administration, organisational communication, strategic communication and public relations
- publicity and campaign management
- publishing
- magazine and corporate publication writing
- writing for the media
- event management
- Web-based education.

Dual degree programs

- Arts
- Journalism

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF

CREATIVE ARTS

Program code 2308

Location St Lucia

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Available as an additional year of study

Program outline

Bachelor of Creative Arts (BCreativeArts) students study one of the practice-based majors – Drama, Music, and Writing. They select from a range of majors that introduce them to the interpretation of creative works – Art History, English, English Literature, Film and Television Studies, Media Studies and Popular Music. Students gain the tools to participate in the growing industry of creative arts by acquiring knowledge and expertise in current and developing practices in music, literature, drama and forms of media studies. The approach of UQ's award-winning lecturers is not only to educate students in the application and practice of creative arts theory, but also to draw on historical knowledge to contextualise practice and to examine the range of approaches to creativity.

Majors

Art History

Art History is the study of the objects considered to be art across a variety of cultures and times. Students look at paintings, sculptures, modern works of art that can't really be called either of these, as well as Aboriginal art and the art of the Asia Pacific region. The major also looks at films, and in the more advanced courses, answers that famous question: What is art?

Drama

Seeing and critiquing professional performance, reading plays from around the world and throughout the past 2000 years, and honing performance skills are all part of the drama major. Students learn how to interpret theatre through time and space, and are also challenged to think about what constitutes performance, not only on the stage, but also on the page and in everyday life. Students develop an understanding of the theatrical and literary aspects of drama, from ancient Greek classics to Medieval theatre and to the most recent Australian and European plays. No audition is required, but there are practical performance options at advanced level.

English

English is the medium of communication, business and entertainment for millions of people around the world. From witty plays and elegant films to pungent protest songs and complex novels, it allows people to formulate and convey their particular vision of

the world and their often urgent desire to celebrate or improve it. Students will examine examples of English at work in different circumstances, ranging from poetry to television and the Internet.

English Literature

The English Literature major introduces students to one of the world's key literary traditions, as well as to contemporary global English-language literary culture. Undertaking the formal study of English literature from its beginnings to the present day is to be introduced to a vast intellectual and cultural history – one that records the almost infinitely different ways in which men and women, from a great variety of different times and places, have lived, thought, argued, felt and imagined. Many of the novels, poems, plays and non-fictional works students encounter in this major rank amongst the greatest products of the human mind. The major also introduces students to some influential ways of thinking about literature.

Film and Television Studies

Film and Television Studies involves the critical study of film and television texts. It introduces the language of film and television and the principal ways in which they are written about and analysed. The key focus is on popular film and television and the contexts within which they are produced. Students look at various film movements, including Australian cinema, and films in a range of foreign languages, as well as various film and television genres.

Media Studies

Media Studies involves the critical study of various aspects of the media. The courses in the major consider newspapers, magazines, radio, film, television and new media in order to develop an appreciation of how these operate in our culture and how the industries that produce them, the audiences that consume them, and the institutions that interact with them, all function.

Music

Music is one of the most powerful and evocative of arts forms. To the uninitiated, however, the source of its attraction and communicativeness remains little more than a potent mystery. The Music major helps students to understand music's diverse social and historical meanings, and well as providing a key to its written and aural complexities. The major approaches the study of Western art music in a challenging and engaging way, incorporating critical perspectives and historical knowledge along with written and aural skills. Students contemplating the extended major will have a choice of two streams – a musicological stream, which further develops the aspects described above, and a professional stream, which combines elements of the above with a specially developed suit of courses designed for students interested to pursue the professional fields of music education or music therapy through the relevant dual-degree or postgraduate programs.

Popular Music

Popular music is an ever-present part of everyday life. It has the power to uplift, stimulate, comfort, motivate, and communicate like no other art form. Its attractiveness lies in its ubiquity, openness and lack of convention. It provides the raw material for a vast international industry. The courses offered in the BA Popular Music major help students to understand their own response to music and the society in which they live. Courses also help students to express themselves in writing and in music production, and inspire them to consider and experience the power and wonders of music.

Writing

There's a knack to producing writing worth reading, and that's what this major helps students achieve. Students develop a fundamental and substantial understanding of how language works at the word, sentence, paragraph, and document level. Students learn strategies for designing, structuring, writing, and revising on paper and online. Whether students are aiming to be creative or corporate writers, this major trains them to produce compelling, career-enhancing writing in a variety of fiction and non-fiction genres.

Career opportunities

Graduates are able to demonstrate a range of skills that make them attractive to a wide range of employers in the creative arts industries. Career opportunities exist in:

- administration
- advertising
- art galleries and museums
- creative writing
- consulting
- cultural organisations
- education
- event coordination
- film and television
- fundraising
- government
- marketing
- media and entertainment
- public relations
- publishing and research
- theatre companies.

Dual degree programs

- Education (Secondary)

International contact details

International Student Advisor
Online: www.uq.edu.au/international/enquiry
Phone: within Australia (free call): 1800 671 980
Outside Australia: +61 3 8676 7004

BACHELOR OF EDUCATION (MIDDLE YEARS OF SCHOOLING)

Program code 2307

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Additional entry requirements Blue Card (Working with Children Check) prior to commencing placements/practicums

Honours Available as an additional year of study

Program outline

The Bachelor of Education (Middle Years) is a four-year pre-service teacher qualification designed for effective teacher preparation in the unique contemporary context. The program develops capacities required by teachers working in the information age, a time of rapid change where education is recognised as playing an increasingly important role in society. The program develops specialist teachers across the year levels 4-9, aligning with the Middle Phase of Learning. In particular, the program focuses on the development of skills, understandings and attributes that enable graduates to demonstrate specialist abilities with respect to: literacy and numeracy, diversity and differentiated learning, leadership and research, connected practicum.

Placement courses

Students are required to complete 80 days of supervised practicum and 40 days of internship over the four years of the program. Every effort is made to place students within a reasonable distance of their home base, but they can be expected to travel up to 90 minutes due to public transport connections and incur costs associated with travel and possible lost income over this period. Students are generally placed at Ipswich, Brisbane, and south-east Queensland and are encouraged to explore the option of a rural placement. Rural scholarships are available from the School of Education to assist with travel and accommodation costs.

Supplementary information

Students are required to have a current Blue Card (Working with Children Check) before commencing the practicums. Students can apply for a Blue Card

through the School of Education, and should do so three months before their practicum is due to commence. The Practicum Handbook provides additional information about practicum and school experience requirements and is available from the School of Education.

Dual degree programs

- Arts

Additional cost

Students are expected to fund travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area.

International contact details

International Student Advisor
Online: www.uq.edu.au/international/enquiry
Phone: within Australia (free call): 1800 671 980
Outside Australia: +61 3 8676 7004

BACHELOR OF EDUCATION (PRIMARY)

Program code 2306

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Additional entry requirements Blue Card (Working with Children Check) prior to commencing placements/practicums

Honours Available as an additional year of study

Program outline

The Bachelor of Education (Primary) is a four-year pre-service teacher qualification designed for effective teacher preparation in the unique contemporary context. The program develops capacities required by teachers working in the information age, a time of rapid change where education is recognised as playing an increasingly important role in society. The program develops teachers across the year levels 1-7, spanning the Early and Middle Phases of Learning. In particular, the program focuses on the development of skills, understandings and attributes that enable graduates to demonstrate specialist abilities with respect to: literacy and numeracy, diversity and differentiated learning, leadership and research, connected practicum.

Placement courses

Students are required to complete 80 days of supervised practicum and 40 days of internship over the four years of the program. Every effort is made to place students within a reasonable distance of their home base, but they can be expected to travel up to 90 minutes due to public transport connections and incur costs associated with travel and possible lost income over this period. Students are generally placed at Ipswich, Brisbane, and south-east Queensland and are encouraged to explore the option of a rural placement. Rural scholarships are available from the School of Education to assist with travel and accommodation costs.

Supplementary information

Students are required to have a current Blue Card (Working with Children Check) before commencing the practicums. Students can apply for a Blue Card through the School of Education and should do so three months before their practicum is due to commence. The Practicum Handbook provides additional information about practicum and school experience requirements and is available from the School of Education.

Additional cost

Students are expected to fund travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area.

International contact details

International Student Advisor
Online: www.uq.edu.au/international/enquiry
Phone: within Australia (free call): 1800 671 980
Outside Australia: +61 3 8676 7004

BACHELOR OF EDUCATION (SECONDARY)

Program code 2312

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements This program is only offered as a dual degree and entry is dependent on admission to the non-education program. Students receive information about dual degrees in the Enrolment Guide.

Additional entry requirements Blue Card (Working with Children Check) prior to commencing placements/practicums

Honours Available as an additional year of study

Program outline

This pre-service teacher education program is available only as a dual degree. Students completing a dual degree have the opportunity to complete two degrees in less time than if the degrees were studied separately. The Bachelor of Education (Secondary) offers school-based learning and draws on the latest research into effective teaching, ensuring graduates are well equipped to teach. Students completing a dual degree with education are prepared for secondary school teaching, or training in business or industry. Teaching is a challenging and rewarding career, with secondary school teachers in demand worldwide.

Teaching areas include: accounting, Asian languages (Chinese, Japanese, Indonesian), biology, business organisation and management, chemistry, computers and information processing, drama, economics, English, English as a second language, European languages (French, German, Italian, Spanish), geography, history, legal studies, mathematics, media studies, science 21, music, physics, special needs, studies in religion and study of society. The non-education degree undertaken provides the content knowledge for two teaching areas, while the education degree provides the skills and knowledge for the teaching of the content.

During the first three years, students complete eight education courses while satisfying the requirements for their first degree and the prerequisites for study in the fourth year, which includes two teaching areas. In the fourth year students undertake professional studies including supervised practicums in school settings.

Placement courses

Students must complete 20 days school experience and 80 days supervised practicum. The school experience is embedded in four courses that each require five days of activity associated with schools and/or school age students. Students are required to complete two blocks (7-8 weeks) of supervised practicum in their professional year. Effort is made to place students a reasonable distance from their home but they can be expected to travel up to 90 minutes due to public transport connections and incur costs associated with travel and possible lost income.

Students are generally placed between the Sunshine Coast, Gold Coast and Ipswich and are encouraged to explore the option of a rural placement. Rural scholarships are available from the School of Education to assist with travel and accommodation costs.

Students are required to have a current Blue Card (Working with Children Check) before commencing practicum. Students can apply for a Blue Card through the School of Education and should do so three months before their practicum is due to commence. The Teacher Preparation Programs Handbook provides information about practicum and school experience requirements and is available from the School of Education.

Supplementary information

Bachelor of Education (Secondary) Prerequisite Guides are available from the Faculty of Social and Behavioural Sciences and the School of Education. The Prerequisite Guide outlines the teaching areas within this program and the prerequisites for each of the areas. Dual degree planners are available from www.uq.edu.au/myadvisor

Career opportunities

Graduates are eligible for teacher registration in Queensland and may qualify for employment as secondary school teachers in state and independent schools worldwide. Students who specialise in music or Language Other Than English (LOTE) may also seek employment in primary schools. An education degree opens up a vast range of career opportunities within educational settings such as head of department, principal, guidance officer, learning support teacher, student advisor and education advisor. The development of key competencies throughout the Bachelor of Education program provides knowledge and skills sought by employers in business and industry, especially in areas where an understanding of program development and training are required.

Dual degree programs

- Arts
- Music
- Science
- Business Management
- Creative Arts

Additional cost

Students are expected to fund travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area.

International contact details

International Student Advisor
Online: www.uq.edu.au/international/enquiry
Phone: within Australia (free call): 1800 671 980
Outside Australia: +61 3 8676 7004

DIPLOMA IN GLOBAL ISSUES

Program code 1600

Location St Lucia

Delivery mode Internal/External

Commencement semester 1, 2

Duration 1 year full-time

Admission requirements To enrol, a student must be enrolled in another program offered by the university; and have completed 16 units of study at the university with a GPA of 5 (on a 7-point scale)

Program outline

This is an undergraduate-level multidisciplinary concurrent program taught by UQ in conjunction with the Universities of Melbourne, British Columbia (Canada), Nottingham (United Kingdom), Lund (Sweden), and Tecnológico de Monterrey (Mexico). The program is designed to address the demands of undergraduate students with an interest in global studies and who wish to combine this study with a degree at UQ. Objectives of the program are for graduates to gain: knowledge of the current theoretical principles relating to globalisation; an ability to evaluate and synthesise the literature relating to the globalisation, and its relationship to environmental, economic, political and social change; an understanding of the interconnectedness between individuals, societies, and countries by encouraging students to consider the cultural, environmental, economic and political dimensions of globalisation. Students are expected to complete a portion of the program through at least one other partner university, whether online or by studying overseas on exchange. With six universities to choose from, applicants can take advantage of the program's innovative structure, learning about global issues in a truly global context.

Supplementary information

In order to complete the diploma concurrently with their bachelor degree, students are required

to overload and/or undertake study in Summer Semester.

International contact details

Faculty of Arts
Email: arts@uq.edu.au
Phone: +61 7 3365 1333

BACHELOR OF HUMAN SERVICES

Program code 2263

Location St Lucia

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Available as an additional year of study

Program outline

Human service practitioners help everyday people in need. Professional practice in the human services is complex, challenging and rewarding because it's about making a difference in people's lives and building a better world. The Bachelor of Human Services prepares students to work in a range of human service roles with a focus on children and youth, and/or community development. Students learn about social issues and problems and how they occur, as well as the theory, professional ethics and value base that is the foundation of human service practice. The degree focuses on how best to help people deal with real life difficulties. It is the first step towards a professional career that is exciting and always changing. In order to develop job-ready skills and abilities, students undertake two professional placements in community-based human service agencies. These work placements help to secure employment for many students and they meet the accreditation guidelines of the Australian Institute of Welfare and Community Workers Inc.

Placement courses

Students are required to complete work placements that involves 400 hours. Students may incur costs associated with their placements (e.g., travel, parking, stationery). Every effort is made to place students within a reasonable distance of their home base to minimise travel costs and time. Students are generally placed at Ipswich, Brisbane, and south-east Queensland. Students are required to have a current Blue Card (Working with Children Check) before commencing placement. Students can apply for a Blue Card through the Ipswich office of the Faculty of Social and Behavioural Sciences, and should do so three months before their placement is due to commence.

Career opportunities

Graduates find employment in roles such as:

- youth development officer
- youth worker
- youth outreach and information worker
- child safety support officer
- community development officer
- community worker
- case manager
- case worker
- project officer
- program coordinator
- outreach worker.

Additional cost

Students are expected to fund travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area.

International contact details

International Student Advisor
Online: www.uq.edu.au/international/enquiry
Phone: within Australia (free call): 1800 671 980
Outside Australia: +61 3 8676 7004

BACHELOR OF

INTERNATIONAL STUDIES

Program code 2316

Location St Lucia

Commencement semester 1

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Available as an additional year of study

Program outline

The Bachelor of International Studies at UQ gives students a gateway to an exciting career. The new three-year program provides students with a broad knowledge of cultural and world issues and prepares them for careers in the global workforce. The core components of this program are language skills and cross-cultural awareness, as well as knowledge and skills in specific disciplines with an international focus.

The International Studies program offers a range of majors to facilitate each student's career needs and professional goals. All students are required to study a major in a language other than English as well as another major from a range of options including international economics, history, or international relations all designed to provide an understanding of transnational organisations and global negotiation. To further international and intercultural awareness the program also includes a compulsory study abroad semester at one of UQ's partner institutions.

The program requirements are #48, including: #12 core courses; a #16 major in a language other than English; a #16 major from a list of majors with strong international relevance and includes one semester of overseas study at a partner institution. Two of the core courses serve as preparation for and consolidation of the overseas semester and should result in an improved student experience and learning outcomes from this semester abroad.

Majors

Asian Studies

Whether it is for work, study or pleasure, dealing with Asia requires knowledge of sometimes vastly different societies. This major provides a flexible way of getting to know the region and the opportunities available, without having to learn a foreign language. All teaching of Asian studies courses is in English. Asian Studies introduces students to the diverse cultures and histories of the countries in the region. Students learn about the political and economic systems of the countries and their ramifications for Australia.

Chinese

China has not only one of the oldest and most splendid cultures, but is now an increasingly important player on the world economic and political scene. Chinese is spoken by one in every six people in the world today, and is the most common language spoken in Australia after English. China and Australia also have close economic and cultural ties. The Chinese major offers courses in spoken and written language, from introductory to advanced levels. There are separate majors for native speakers of Mandarin and other Chinese dialects. Students can undertake specialist courses in literature, culture, translation, business and language teaching.

Economics

Economics is the science of decision-making. Individuals, communities, companies and governments face choices every day, weighing up the costs and benefits to make the best decisions possible. With the ongoing momentum of globalisation, development, economic/financial/cultural integration and increasing pressure for ecological sustainability, economics remains the key element. Economics determines much of today's social and political landscape, and students trained in this field are exceptionally well positioned to play a leading part in the future direction of business, government and society.

French

In this major, students study French language and culture concurrently. Whether students wish to study French because it is one of the major diplomatic languages of the world, or because they want to do business with members of the massive Francophone population, or because they have always been fascinated by one of the richest and most influential Western cultures in existence, or simply because it is the language of love, they will need to understand something about French and Francophone culture. Students can study French without any prior knowledge or having done French at high school.

German

German is one of the most widely spoken languages on Earth, and a major community language in Australia. The German-speaking countries lie at the heart of Europe, and Australia welcomes tens of thousands of tourists from those countries every year. Germany has one of the strongest economies in the world, and is a leader in many areas of technology and culture. German language skills are an asset in many careers, including international relations, international business, tourism, interpreting/translation, teaching and the sciences.

History

History is an on-going dialogue between the present and the past, about how the past should be understood and interpreted, and about what meaning should be assigned to the past. An informed understanding of the present and our expectations for the future go hand-in-hand with a knowledge of history. History provides an essential framework for all the humanities and social sciences. The study of history further promotes the acquisition of important professional skills, such as the ability to conduct archival research and the ability to interpret information embedded in the past.

Indonesian

Indonesian is the official language of Indonesia. There are more than 200 million speakers of Indonesian, making it the fifth most widely spoken language in the world. As the national language, Indonesian serves as a focus of national identity, linking together the rich ethnic and cultural diversity of Indonesia's more than 300 distinct ethnic groups. Indonesian is used in all government and public domains, including in education, commerce and the mass media. Knowledge of Indonesia, with the world's largest Muslim population, is a key part of Australia's future. Learning Indonesian is a great first step to becoming an Indonesia expert.

International Inequality and Development

This major introduces students to the relationship between global development and inequality. The courses in this major cover key issues, concepts and approaches to global development and poverty. Students are introduced to the historical as well as contemporary contexts of struggles over development and questions of inequality as well as to a range of important issues including the roles of different actors and agencies in development, ranging from international institutions to community levels groups. The major is designed to offer a solid account of how global and local development processes interact in development as well as the experiences they engender. Overall, students specialising in this major gain a fairly comprehensive account of the complex and interdisciplinary nature of global development and inequality. At the same time, they will be able to assess and evaluate the various challenges and opportunities in development in an age of globalisation.

International Relations

Studies in International Relations equip students with the necessary theoretical and practical tools to analyse and evaluate events and issues, both domestically and internationally. This major introduces students to the significant trends shaping the world, trains them in ways to conceptualise and apply key approaches to the ideas and policies that drive contemporary international politics, and incorporates such training

into the development of practical skills designed to enhance their professional competitiveness and opportunities. The major commences with an introduction to international relations and international inequality and development.

Italian

Studying Italian will give you knowledge of a culture which has strongly influenced the art, music, architecture and literature of Europe and Australia. UQ students can study Italian language and culture through Griffith University. The Italian major includes language courses from beginner to advanced levels, as well as content-based courses (mostly delivered in Italian) exploring contemporary society, cinema, media, music, literature, politics, popular culture and food culture. Students practise Italian through new communication technologies, such as blogs, wikis and mobile phones, as well as in face-to-face meetings with native speakers. Past students have gone on to establish careers in a variety of fields, from education, law, migration services and to business.

Japanese

Japanese is a key world language used to facilitate economic pursuits, research and government interaction. It is particularly useful for those seeking a career in business, tourism, technology, the media, art, literature or education. An understanding of Japanese can broaden the scope of personal, social and professional networks, and provide graduates with the potential to travel, live and work in Japan and to engage with speakers of Japanese in Australia, Japan and elsewhere. More than 20 exchange programs with prestigious Japanese universities are available to allow students to advance their linguistic skills and cultural understanding through in-country experience.

Korean

Students who study and use the Korean language gain a profound appreciation of different ways of thinking, a diverse history and rich cultural traditions. Students experience contemporary Korean popular culture, such as films and TV drama. Korean skills give students a competitive edge in the job market, for example in law, business, tourism, teaching, finance, diplomacy, journalism, science, information technology, manufacturing, and any area with an international focus. Presently in Korea there are many English teaching positions available, from kindergarten to university level.

Peace and Conflict Studies

Peace and conflict studies are assuming increasing importance, both internationally and within nations, as governments and non-government organisations struggle to find ways to resolve conflicts without recourse to violence. The objective of the Peace and Conflict Studies major is to provide students with an understanding of the causes of political conflict and the possibilities of finding peaceful solutions to them. This requires development of diagnostic tools for the analysis of social and political situations, a capacity to engage in and understand the evaluation of alternative courses of action and the skills to incorporate values within political analysis.

Russian

With almost 200 million native speakers in Europe and Asia, Russian is truly an international language and, at the same time, a gateway to one of the world's great cultures. This major combines a comprehensive language acquisition program from beginners' level with studies in many other aspects of the Russians' world. Learning to understand how the Russian State has expanded and Russian society has evolved over the centuries or developing an appreciation of Russian literature, drama or film gives students insights into the wider context within which the language is used, and also encourages them to look beyond the stereotypes and clichés that often characterise notions of other nations.

Spanish

Spanish is the first language of more than 400 million people and the second language of millions more

in Europe, the United States, Brazil, Asia and North Africa. Due to demographic and political factors, Spanish is now a de facto second language in the United States, Brazil, and virtually all the smaller states in the Caribbean and Central/South America. Spanish is an official language in international bodies such as the United Nations and World Bank. With Australia's increased exposure to the world economy and competitive labour market, being fluent in a world language like Spanish gives students highly employable communication skills. The ability to speak Spanish also enhances travel experience throughout the vast Spanish speaking world. There is also a long and strong tradition and diversity in the areas of Spanish and Latin American literature and culture, which the courses in this major explore.

Career opportunities

The Bachelor of International Studies prepares students for a wide range of careers in international agencies, governmental organisations and the global private sector, both in Australia and around the world. This program also facilitates careers working with international non-profits or global institutes, such as UNESCO, UNICEF, or the World Health Organization.

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF JOURNALISM

Program code 2040

Location St Lucia

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Available as an additional year of study

Program outline

Journalism is an exciting occupation that provides opportunities to meet many different kinds of people and to travel. The basis of journalism is information – discovering, collecting, assembling, analysing and presenting information. To do this effectively, journalists require highly developed skills in language, a good understanding of the media, an interest in current affairs and a broad general knowledge. A journalist must be able to communicate clearly, concisely, accurately and quickly, and have an inquiring nature and well developed people skills. UQ has offered a highly respected Journalism program since 1921, making it the longest established and most extensive program in Australia. UQ's outlook is progressive and the journalism courses keep pace with the latest developments in, and thinking about, journalism. Many distinguished journalists (in Australia and overseas) participate in activities associated with the program. More types of journalism are practised today than ever before as the number of media outlets proliferates. To stand out from the crowd, successful journalists need to enhance their all-round competence with personal enterprise, innovation, imagination and creativity. The UQ program encourages students to develop their own vision of journalism by drawing on UQ's vast collective experience of journalism practice and research into journalism and communication.

Career opportunities

Journalism graduates work in Australia and overseas within a wide range of print and broadcast media organisations. Career opportunities are found within:

- metropolitan, national and regional newspapers
- commercial radio and television stations
- Web and multimedia publications
- speciality interest magazines and allied fields of publishing
- marketing, communication and public relations

- national and overseas news organisations
- self-employment as freelance journalists and photojournalists.

Dual degree programs

- Arts
- Science
- Business Management
- Communication
- Laws

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

DIPLOMA IN LANGUAGES

Program code 1602

Location St Lucia

Commencement semester 1

Duration Concurrent enrolment with another degree

Admission requirements To enrol, a student must be enrolled in another program offered by the university; and be eligible for admission to the Bachelor of Arts

Additional entry requirements Entry to the Diploma requires admission to a University of Queensland degree program and eligibility for admission to the Bachelor of Arts program

Program outline

The Diploma in Languages is a way of adding value to any bachelor's degree. This program enable students to benefit from the advantages that knowledge of another language can bring in a global economy, as well as earning them an additional academic qualification.

Students enrol in the Diploma in Languages concurrently with enrolment in another UQ program, the "parent" program. Students will complete a program that is equivalent to a major in a language other than English as in the Bachelor of Arts (BA) degree. Students must be able to overload (enrol in five courses rather than four per semester) to complete both the "parent" program and the Diploma in approximately the time required to complete the "parent" program alone. Students must not extend their period of enrolment.

Languages available are: Chinese, French, German, Indonesian, Japanese, Korean, Russian, Spanish, and Classical Languages (either Ancient Greek or Latin).

International contact details

Faculty of Arts

Email: arts@uq.edu.au

Phone: +61 7 3365 1333

DIPLOMA IN MUSIC

Program code 1601

Location St Lucia

Commencement semester 1, 2

Duration Concurrent enrolment with another degree

Admission requirements To enrol, a student must be enrolled in another program offered by the university; and be eligible for admission to the Bachelor of Arts

Program outline

The Diploma in Music enables students to pursue an interest in music and receive an academic qualification while studying for a bachelor's degree. Students enrol in the Diploma of Music concurrently with enrolment in another program offered by UQ. Students choose between two plans: Music Studies and Ensemble, which emphasises performance skills in a large ensemble context and requires an audition or interview; or Popular Music and Music Technology.

Students must be able to overload (enrol in five courses rather than four per semester) to complete both the "parent" program and the Diploma in approximately the time required to complete the "parent" program alone. Students must not extend their period of enrolment.

International contact details

Faculty of Arts

Email: arts@uq.edu.au

Phone: +61 7 3365 1333

BACHELOR OF MUSIC

Program code 2047

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English and Music OR AMEB Grade 7 or higher in a practical examination and AMEB Grade 5 or higher in Theory or Musicianship, or equivalent

Additional entry requirements Audition and musicianship test – "Application for Audition" forms are at www.music.uq.edu.au

Honours Awarded based on the weighted percentage of specific courses in the program's final year

Program outline

The Bachelor of Music is intended for students wishing to pursue a professional career in music, and integrates the development of practical skills with theoretical and historical musical knowledge. All first-year students take practical study and may continue to do so into second year, depending upon their first-year results (alternatively, they may take small group tuition in second-year). In the first two years, students also take courses in music history, techniques and aural training, plus electives from popular music or non-music courses. For their final two years, students choose one of several majors: Composition, Music Performance, Musicology, Composition and Musicology, or Performance and Musicology.

Supplementary information

Students wishing to undertake a specialisation in Music Education can enrol in the Bachelor of Music/ Bachelor of Education, which is a five-year program.

Majors

Composition

Composition students receive weekly individual tuition. Opportunities are available for the performance of student works in practical class and ensemble concerts. Students also have access to the school's electronic studio. Graduates work as professional composers or arrangers.

Composition and Musicology

Students receive weekly individual tuition in composition, along with opportunities to participate in practical activities and ensembles. At the same time, they have the opportunity to develop skills and knowledge in areas of music scholarship, including studies in music history, techniques, ethnomusicology, historical performance practice, and music analysis, culminating in the completion of an individually supervised thesis (at honours level) or research project (at pass level). Graduates find their career opportunities are enhanced by the critical edge that the scholarly training brings to their suite of creative skills.

Music Performance

Students receive individual tuition on their instrument or voice, in addition to ensemble preparation. Areas of study include chamber music, performance practices, conducting, and advanced aural studies. Practical skills are engaged through master classes, student performances, debates, lectures and seminars on performance related topics. Career opportunities for graduates are in solo, chamber, orchestral and vocal performance, or accompanying.

Musicology

This area includes a wide range of studies in music history, techniques, ethnomusicology, historical performance practice, and music analysis. Graduates of musicology find work in music lecturing, research, criticism, journalism, music programming, arts administration or librarianship.

Performance and Musicology

Students receive individual tuition on their instrument or voice, with opportunities also to participate in ensemble work. At the same time, they have the opportunity to develop skills and knowledge in areas of music scholarship, including studies in music history, techniques, ethnomusicology, historical performance practice, and music analysis, culminating in the completion of an individually supervised thesis (at honours level) or research project (at pass level). Graduates find their career opportunities are enhanced by the critical edge that scholarly training brings to their suite of practical skills.

Career opportunities

Graduates pursue careers in a diverse range of fields, including music education, music therapy, broadcasting, arts administration, event management, orchestral and vocal performance, music composer, recording engineer, music promoter, producer or arranger

Dual degree programs

- Arts
- Education (Secondary)

Additional cost

Some courses may incur additional costs, such as piano accompaniment.

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF PSYCHOLOGICAL SCIENCE

Program code 2023

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Available as a modified program of study in year 4, with entry based on grade point average

Program outline

This program prepares students for careers in psychology and for postgraduate professional or research training. Students gain an integrated and comprehensive education in main discipline areas, including developmental, social, cognitive, biological, physiological and abnormal psychology. The program also develops research methods and psychological assessment and survey skills. Students pursue individual interests, choosing electives from a range of specialist areas, including: psychology and law; psychology and work; family processes; human sexuality; development disorders; psychopathology; counselling psychology, health psychology, group processes and inter-group relations; language development; and industrial and organisational psychology.

Supplementary information

To become a registered psychologist in Queensland, the completion of a four-year psychology program is required, plus the completion of a professional master's, doctorate or PhD program in psychology, or two years supervised experience as a psychologist. Postgraduate professional qualifications are a distinct advantage when competing for professional jobs as a psychologist. Psychology can also be studied

through the Bachelor of Arts or the Bachelor of Science. These programs, with an additional honours year, both meet the undergraduate requirements for professional registration when combined with two years supervised experience as a psychologist.

Career opportunities

Careers include:

- clinical psychology: assessment, treatment and prevention of a wide range of emotional and behavioural problems
- clinical neuropsychology: the assessment and treatment of cognitive, emotional and behavioural disorders associated with dysfunction of brain processes or head injury
- organisational psychology: applying knowledge of the human behaviour to enhance organisational effectiveness
- educational psychology: providing assessment, intervention and counselling services relevant to the management of educational issues
- sports psychology: developing skills needed to enhance individual performance, enjoyment and participation in physical activity
- research and academic psychology: applying skills to the advancement and communication of knowledge relating to psychology.

Psychology is also a useful area of study for a range of other careers.

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF SOCIAL SCIENCE

Program code 2032

Location Ipswich; St Lucia

Commencement semester 1, 2

Duration 3 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Available as an additional year of study

Program outline

A Bachelor of Social Science teaches students how to develop strategies to help find solutions to a range of social issues at the local, national and international level. Graduates are equipped with key skills valuable to employers such as problem-solving, effective written and oral communication, information processing, creative and critical thinking, cross-cultural awareness, social research skills and computer literacy. Courses provide students with knowledge and skills needed to identify and analyse social concerns and problems, develop positions on social issues and propose possible interventions. The degree is a unique and innovative program that gives students expertise in social science research design and implementation. Students gain knowledge and skills for employment in areas such as: public policy design and evaluation; social impact assessment; and social planning and the analysis of socio-economic issues in a wide range of contexts. The program comprises a research core, a major area of study and elective courses. Third-year students undertake a supervised research project that is linked with an industry partner, and gain experience in the real world of social science research. Students can also pursue individual interests through a range of study plans.

Majors

Criminal Justice

This major gives students the background and skills to critically evaluate how we can better respond to emerging crime problems in our communities. Courses included in the major focus on the social factors leading to criminality and the response to criminal behaviour from the justice system. In contrast to the Criminology major in the Bachelor of

Arts, which focuses more closely on theoretical and research skills in criminology, this major emphasises applied social policy issues relating to criminal justice. Students are given a broad introduction to the field in first-year, followed by upper level courses that focus on the social causes of offending and the various ways in which different parts of the justice system deal with criminal/offending behaviour.

Development

Students are provided with a social science perspective on international and community development issues. Students focus on strategies to alleviate poverty and inequality and develop sustainable societies, communities and environments.

Health and Society

Students gain an understanding of the social and ethical factors influencing health and illness. Focus is placed on the way the health system works, and gaining the skills relevant to becoming a social science worker in health care.

Social and Public Policy

Studies in policy connect the social sciences to the world of practical politics. Students gain the technical skills required to analyse social and economic issues and develop, implement and evaluate policy solutions.

Career opportunities

Graduate opportunities exist in the following areas:

- major consultancies and social research
- public relations, communication and media work
- social and public policy development
- policy analysis and evaluation
- project planning and/or administration for a range of organisations
- healthcare management and policy
- local and international community development
- health promotion
- social planning and social impact assessment
- campaign direction
- events management.

Dual degree programs

- Arts

International contact details

International Student Advisor

Online: www.uq.edu.au/international/enquiry

Phone: within Australia (free call): 1800 671 980

Outside Australia: +61 3 8676 7004

BACHELOR OF SOCIAL WORK

Program code 2012

Location St Lucia

Commencement semester 1

Duration 4 years full-time

Admission requirements Queensland Year 12 (or equivalent) English

Honours Awarded based on the weighted percentage of specific courses in the program's final year

Program outline

Social work is a personally rewarding career for those who have an interest in working with people, and in addressing social and community issues and problems. Social work and social policy play vital roles in contemporary Australia, as issues such as unemployment, an ageing population and economic uncertainty impact on our society.

Often people find themselves facing the complexities of society and sometimes need support and assistance in resolving problems. Social workers play a key part in developing a society based on social justice, and in redressing situations that disadvantage people. Social workers aim to stimulate action to change the social circumstances of individuals and groups who are disadvantaged. They also work to alleviate personal pain and distress, and provide direction for individual development and control over life situations.

In first-year, students explore various social science disciplines, including anthropology, sociology, psychology, government, economics and philosophy. Students are also introduced to welfare and social issues in Australian society. Second-year studies develop a secure foundation of knowledge and skills related to social work practice, and explore professional and ethical values. In both third and fourth years, students spend several months working in an agency setting under professional supervision. Students develop specialised knowledge of organisations and skills in social work practice, and begin to articulate their own framework for professional practice.

Placement courses

Students are required to complete 980 hours of supervised placement over two semesters, meeting the requirements of the Australian Association of Social Workers. This may involve some work in vacation periods and some incidental costs. Students are generally placed in proximity to UQ due to course attendance requirements; however, rural, interstate and international placements can be organised. Every effort is made to place students within a reasonable distance of their home base. In some cases placement locations will incur travel time of up to 90 minutes due to public transport connections. Students incur travel costs during this time. Students are required to have a current Blue Card (Working with Children Check) before commencing the placement. Students can apply for a Blue Card through the field placement office in the School of Social Work and Applied Human Sciences. All students attending placement will be provided with a Field Placement handbook prior to the commencement of their placement.

Career opportunities

Graduates are equipped for employment in many areas of social welfare and human services, including:

- medical social work
- community development
- Aboriginal affairs
- mental health
- community health
- private enterprise
- correctional services
- social security
- family and child welfare
- the ageing community
- industrial welfare
- women's issues
- youth work
- welfare and community planning
- development and administration.

Additional cost

Students are expected to fund travel and living expenses associated with placements, some of which may be outside the Brisbane metropolitan area.

International contact details

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