

UNIVERSITY OF SOUTHERN QUEENSLAND
SCIENCES 2013





After attending an information day on psychology at USQ I decided I wanted to be a psychologist and that USQ would be the perfect place to do so. I am so thankful for the flexibility and versatility that USQ offers; I really can have a degree that caters for my lifestyle and can be changed to suit my needs. Studying within the Sciences Faculty doesn't restrict the courses I am able to enrol in – I have been able to use my electives to explore other subjects I am interested in, such as English Literature.

GEORGENA RYDER

BACHELOR OF SCIENCE (PSYCHOLOGY)

Welcome

Whether you are choosing your first career path, want to improve your current situation or are looking to broaden your horizons and study something you love, we're ready to work alongside you to see your goals fulfilled.

USQ staff realise that university study is a big commitment, and know that understanding and supporting your situation is the key to ensuring you reach your goals. At USQ, we will support you before and after the decision to commence study – we don't just lecture at you, we aim to engage with you; empowering you to succeed.

With thousands of students from all walks and stages of life, we are living proof that university can work for you. With flexible program structures and passionate staff, **our goal is the success of each and every student.**

Whether you decide to experience university study at any of our three campuses, via online study or a combination of both – **you will find the support of a real community, wherever you are.**

USQ programs can accommodate even the most hectic lives – many of our programs offer a three-semester intake, providing you with the option for greater flexibility to start at any time or fast-track your study. **You are in charge of your learning.**

Being a USQ student means you can complete your qualifications wherever you find yourself. So, if you move interstate or across the world, your dreams and goals can move with you! Similarly, if your family or work situation changes, you might decide to lighten your study load or increase to full-time study. It is entirely up to you.

■ We're right there with you

As a USQ student, you'll be part of a university with an international reputation. Our students enjoy the benefits of small class sizes and the kind of relationship with our lecturers that other universities could only dream of offering.

Staff and students agree that being part of USQ is like being part of a challenging and supportive family. We get to know our students. We not only challenge you to reach your full potential, we work with you to get you there.

Regardless of whether you study on-campus or via online education, our focus is to provide you with personalised support that comes from an understanding and respect for each and every one of your goals. That's why we give you a Student Relationship Officer (SRO). Your SRO will be there to support you on your journey, help you through the challenging spots and celebrate your successes! So, no matter where you live, what you study or what your job is – **you will always be connected while you study with USQ.**



Why study Sciences at USQ?

Australia is embracing, as is the rest of the world, an economy which depends on the intellectual prowess of its workforce, the so-called 'knowledge economy'. Science and technology underpins such an economy. It is crucial for the nation's future prosperity that it has a scientifically skilled workforce and a community that is scientifically literate. USQ degrees combine theoretical knowledge with hands-on experience, ensuring that when it comes time to graduate, you have all the confidence and practical knowledge you need to succeed.

The breadth of interests in programs offered by the Faculty of Sciences provides a stimulating multi-disciplinary environment for both students and staff. You can choose to study in the fields of biology (biomedical science or human biology), sustainability, wine technology and physical sciences.

You will also be working with staff whose research specialities will help provide the solutions to some of our society's major problems, from bowel cancer to sustainable land and water use and impacts of climate change.

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Further information

At USQ, we strive to ensure that our students are supported in their decision to study. We're ready to work alongside you to see your goals fulfilled. This brochure has been designed to answer some of your immediate questions, but if you want to learn more about studying Sciences here at USQ, you can check out the following websites:

- www.usq.edu.au/sciences
- www.usq.edu.au/future-students
- www.usq.edu.au/handbook

Alternatively, you can give us a call on **1800 269 500** and let's have a conversation about taking the next step towards your future.

Programs

■ Bachelor of Science

Duration 3 years full-time, 6 years part-time

Mode of study On-campus^{1, 2, 3, 4}, distance education^{2, 5}

Campus Fraser Coast, Toowoomba

Entry requirements Year 12 English (4 SA) or equivalent. Applicants for the Mathematics major or Mathematics and Statistics major are also required to have achieved a level of Sound Achievement over four semesters in Queensland Senior (Year 12) Mathematics B (4 SA) or equivalent

Recommended study Information Technology and Computing: Mathematics A/ Mathematics B (4 SA) or equivalent
Biology, Human Biology, Human Physiology: Mathematics B⁶, Biological Science, Chemistry, or Physics or equivalent.
Environment and Sustainability: Mathematics B⁶, Biological Science, Chemistry or Physics
Physical Sciences: Biological Science, Chemistry, Physics, or Multi-strand Science or equivalent

Program focus

HUMAN BIOLOGY (16 UNITS)

The Human Biology major within the Bachelor of Science (BSCI) enables you to focus on improving your knowledge of the human body. You are able to undertake specialist courses in physiology, biochemistry, genetics, microbiology, cell biology and molecular biology. You are also able to elect to study further courses which specifically relate to human biology, such as pharmacology, pathophysiology and psychology.

Career opportunities

As a graduate, your career opportunities may include: medical, clinical or research technicians in hospital laboratories, university and health or biotechnology industry; pharmaceutical/biotechnology industry and medical technologies marketing, clinical physiology and diagnostic industries, pathology laboratory scientist, medical scientist, research scientist. The Bachelor of Science is an excellent pathway to seek entry into graduate medical programs.

INFORMATION TECHNOLOGY (12 UNITS)

The Information Technology major will help to develop your skills and knowledge in software development, programming languages, networking and the design and implementation of computer systems and information systems.

Career opportunities

As a graduate, you will have opportunities in the following careers: application of computing to business, information systems manager, computer sales representative, computer consultant, information manager, computer systems officer, chief information officer, information centre manager, systems analyst/programmer, system development coordinator, computer educator, commercial application developer.

MATHEMATICS AND STATISTICS (12 UNITS)

This major allows you to develop skills in mathematics and statistics and examine the fundamentals of pure and applied mathematics, theoretical and applied statistics, mathematical modelling and operations research. You will learn how to use computational methods as an aid to the processes of analysis, modelling and decision-making.

Career opportunities

As a graduate, you will have career opportunities in areas, such as: statistics, biometrics, operations research and management, actuary, industrial mathematics, teaching (following teacher training), mathematician, mathematical modelling, operations management, financial analyst, systems analyst, risk or focus analyst, business systems analyst, data mining, cryptography, biostatistician, epidemiologist, hydrology modeller, data mining researcher, speech processing researcher, market researcher, quantitative risk analyst, statistical analyst, data analyst, actuarial business analyst, research officer, social researcher, survey researcher, psychological statistician, measurement scientist, research scientist in mapping and monitoring, financial modelling, environmental modelling, engineering modelling, research economist, finance consultant, business analyst, psychometrician.

PSYCHOLOGY (12 UNITS)

Whilst becoming a registered psychologist requires further training, this major gives you the foundation needed to begin to understand how people develop throughout their lives; behave in groups, organisations and communities; see, think, hear, feel, learn and remember; relate and interact with others; and cope with anxiety, ageing, death, divorce, disability, disaster, accidents and other life events. Accredited by the Australian Psychology Accreditation Council (APAC) as providing the first three years of the necessary requirements for full membership of the Australian Psychological Society (APS) and the first three years of the necessary requirements for full registration as a psychologist in Australia, this major is ideal if you are wishing to pursue a career as a psychologist. Full membership of the Australian Psychological Society requires six years of appropriate university study: an honours year plus a masters degree, or substantial progress towards a doctorate. Full registration as a psychologist requires an honours year plus two years of supervised practice; or an honours year plus a masters or doctorate degree.

Career opportunities

As a graduate of this major, there are opportunities for you to work as a: psychologist (with further study), welfare officer, counselling, vocational and occupational guidance, training and development, and other related areas in administration and research in the public and private sectors, clinical, educational, counselling, sports, organisational or forensic psychologist, human resource management, police service, and corrective services.

BIOLOGY (8 UNITS)

The Biology major in the Bachelor of Science (BSCI) provides you with a broad knowledge in biology, chemistry and communications, and a more detailed knowledge in disciplines, such as biochemistry, genetics, microbiology and physiology.

Career opportunities

As a graduate, your career opportunities may include: research officer (universities, defence, CSIRO, DPI, industry, government, and health), technical officer (labs), technical/sales representative in pharmaceutical, medical and biotechnological industries, molecular biologists, microbiologists. After further study: biotechnologist, dietitian, research scientist, secondary science teaching, medicine. Employment opportunities also exist in laboratory work in agricultural, food, health, medical, veterinary, educational and industrial settings, plant breeding, science journalism.

COMPUTING (8 UNITS)

This major provides flexibility to meet your needs if you are wishing to combine some computing studies with other science disciplines. This major will be of particular value to you if you are seeking a career in teaching secondary science and computing.

Career opportunities

Career opportunities include: computer scientist, computer programmer, computer systems officer, database management system administrator, game developer, LAN manager, network administrator, network designer and specialist, network security analyst, simulator, database/web/network developer, software designer, systems architect, computer systems developer, software developer, applications specialist, software engineer.

ENVIRONMENT AND SUSTAINABILITY (8 UNITS)

The Environment and Sustainability major draws on the disciplines of climatology, ecology and conservation to provide you with a relevant and applied understanding of the natural environment, its biodiversity and human impacts. The major focuses on practical approaches to resource management, biodiversity conservation and climate change mitigation and adaptation. On successful completion of this major, you will have a detailed knowledge of major environmental issues, key climate mechanisms, core ecological principles and human (socio-political) factors impacting upon the global environment and enable you to apply this knowledge in natural resource management and related disciplines.

Career opportunities

As a graduate of this major, you will find career opportunities working as a: climatologist, climate scientist or climate policy analyst. You will also find careers in the areas of conservation and biodiversity management, ecotourism, environmental consultant, environmental scientist, natural resource management, national parks, research scientist working in universities, defence organisations, CSIRO, Federal and State Government Departments of Primary Industries, environment, natural resources, and the Australian Greenhouse Office, Australian Bureau of Meteorology, and Australian Bureau of Resource Sciences, or in private industry companies active in fields, such as agriculture, insurance, energy, weather information, water services; and with further study science teacher and science journalism.



HUMAN PHYSIOLOGY (8 UNITS)

To strengthen your appreciation of the connections between psychological and physiological aspects of human health, you may combine this major with another discipline area, such as Psychology.

Career opportunities

In conjunction with the Psychology major, this combination would be a major advantage in any career involving the promotion of people's health and well-being.

MATHEMATICS (8 UNITS)

An ideal option if you wish to pursue a double major or double degree path, this major enables you to combine the rigour and logic of a scientific approach, which is an integral part of mathematical studies, with the specifics of a professional area of a particular interest. You will be able to undertake a second major which can be chosen from any of the other eight-course majors defined for the Bachelor of Science, or (with the approval of the Program Coordinator) from other eight-course majors from other undergraduate programs in the University.

Career opportunities

As a graduate of this major, your career opportunities will include the areas of: statistics, biometrics, operations research and management, actuary, industrial mathematics, teaching (following teacher training), mathematician, mathematical modelling, operations management, financial analyst, mathematics journalism, systems analyst, supply chain analyst, quality control, quantitative analyst, risk or focus analyst, business systems analyst, data mining, cryptography, secondary or tertiary teacher (when combined with relevant postgraduate studies), commercial property, biostatistician, manager for risk analytics, epidemiologist, hydrology modeller, data mining researcher, speech processing researcher, market researcher, quantitative risk analyst, statistical analyst, data analyst and actuarial business analyst. Employment opportunities also exist in the Australian Bureau of Statistics, different banks, insurance companies, computing, logistics and engineering, and financial institutions.

PHYSICAL SCIENCES (8 UNITS)

This major will provide you with a knowledge of physics and its application in the physical sciences. Aimed at providing an appropriate grounding for those pursuing a career as a physics teacher or a scientist, this major will allow you to gain an understanding of our planet and its climate, and learn physical principles relevant to the health sciences. Elective courses provide opportunities for broader study.

Career opportunities

Your career opportunities will include: science teacher (with further study), scientist or research officer (universities, defence, CSIRO, DPI, industry, environment, government, health), science communicator, technical officer (labs or field work).

Program structure

COURSES TO BE STUDIED	UNITS
Core courses ⁶	4
<i>plus</i> 1 x 16-unit Major	20
<i>plus</i> 4–5 x Electives ⁶	
<i>or</i> 1 x 4-unit Minor	
<i>or</i> 1 x 12-unit major <i>plus</i> 1 x 8-unit Major	
<i>or</i> 1 x 4-unit Minor <i>plus</i> 4 x Electives	
<i>or</i> 8 x Electives	
<i>or</i> 1 x first 8-unit major	
<i>plus</i> 1 x second 8-unit Major <i>plus</i> 4 x Electives	
<i>or</i> 12 x Electives	
TOTAL	24

CORE COURSES

Biology, Human Biology, Human Physiology⁶

CSC1402	Foundation Computing
STA2300	Data Analysis
CMS1000	Communication and Scholarship
<i>or</i> CMS1100	Communicating in the Sciences ⁷

Computing, Information Technology

CMS1000	Communication and Scholarship
CSC1401	Foundation Programming
MAT1101	Discrete Mathematics for Computing
STA2300	Data Analysis

Environment and Sustainability

CSC1402	Foundation Computing
STA2300	Data Analysis
CMS1000	Communication and Scholarship
<i>or</i> CMS1100	Communicating in the Sciences ⁷
MAT1100	Foundation Mathematics
<i>or</i> MAT1102	Algebra and Calculus I

Mathematics, Mathematics and Statistics

CMS1000	Communication and Scholarship
CSC1401	Foundation Programming
MAT1101	Discrete Mathematics for Computing
STA2300	Data Analysis

Physical Sciences

CSC1402	Foundation Computing
STA2300	Data Analysis
CMS1000	Communication and Scholarship
<i>or</i> CMS1100	Communicating in the Sciences ⁷
MAT1000	Mathematics Fundamentals
<i>or</i> MAT1100	Foundation Mathematics ⁸

Psychology

CMS1000	Communication and Scholarship
CSC1402	Foundation Computing
PSY1030	Cross-Cultural and Indigenous Psychology
STA2300	Data Analysis

MAJORS

Human Biology (16 Units)

BI01101	Biology 1
BI01104	Medical Microbiology and Immunology 1
BI01204	Introduction to Biomedical Sciences
BI02201	Biochemistry 1
BI02203	Human Physiology
BI02207	Genetics
BI02209	Cell Biology
BI02213	Pharmacology
BI03301	Biochemistry 2
BI03309	Molecular Biology
BI03313	Human Physiology and Pharmacology in Disease 1
BI03315	Medical Microbiology 2
BI03317	Medical Microbiology 1
BI03323	Human Physiology and Pharmacology in Disease 2
CHE1110	Chemistry 1
CHE2120	Chemistry 2

Information Technology (12 Units)

CIS1000	Information Systems Concepts
CSC2401	Algorithms and Data Structures
CSC2402	Object-Oriented Programming in C++
CSC2408	Software Development Tools
ELE1301	Computer Engineering

plus seven from the following:⁹

CSC2404	Operating Systems
CSC2406	Web Technology
CSC2407	Introduction to Software Engineering
CSC3400	Database Systems
CSC3403	Comparative Programming Languages
CSC3407	Network Fundamentals and Routing
CSC3412	System and Security Administration
CSC3413	Network Design and Analysis
CSC3419	XML and the Web
CSC3420	Mobile Internet Technology
CSC3427	Switching, Wireless and WAN Technologies

Mathematics and Statistics (12 Units)

MAT1102	Algebra and Calculus I
MAT1200	Operations Research 1
MAT2100	Algebra and Calculus II
MAT2409	High Performance Numerical Computing
MAT3103	Mathematical Modelling and Dynamical Systems ¹¹
MAT3104	Mathematical Modelling in Financial Economics ¹⁰
MAT3105	Harmony of Partial Differential Equations ¹¹
MAT3201	Operations Research 2 ¹⁰
STA2301	Distribution Theory
STA2302	Statistical Inference
STA3300	Experimental Design
STA3301	Statistical Models

Psychology (12 Units)

PSY1010	Foundation Psychology A
PSY1020	Foundation Psychology B
PSY2010	Social Processes of Behaviour
PSY2020	Motivation and Emotion
PSY2030	Developmental Psychology
PSY2040	Human Information Processing
PSY2100	Research Methods in Psychology A
PSY3010	Assessment of Behaviour
PSY3030	Abnormal Behaviour
PSY3050	Counselling Psychology
PSY3110	Clinical Health Psychology
PSY3111	Research Methods in Psychology B

Biology (8 Units)

BI01101	Biology 1
BI02103	Biology 2

plus two from the following:

BI01104	Medical Microbiology and Immunology 1
BI02201	Biochemistry 1
BI02207	Genetics
CHE1110	Chemistry 1
CHE2120	Chemistry 2
REN2200	Ecology for Sustainability

plus four from the following:⁹

BI02202	Plant Physiology
BI02203	Human Physiology
BI02209	Cell Biology
BI02213	Pharmacology
BI03301	Biochemistry 2
BI03309	Molecular Biology
BI03315	Medical Microbiology 2
BI03317	Medical Microbiology 1
BI03333	Cardiorespiratory and Sports Physiology
REN1201	Environmental Studies
REN2200	Ecology for Sustainability
REN3301	Biodiversity and Conservation ¹²
REN3302	Sustainable Resource Use

Computing (8 Units)

CIS1000	Information Systems Concepts
CSC2401	Algorithms and Data Structures
CSC2402	Object-Oriented Programming in C++
CSC2408	Software Development Tools
ELE1301	Computer Engineering

plus three from the following:

CSC3400	Database Systems
CSC3403	Comparative Programming Languages
CSC3407	Network Fundamentals and Routing
CSC3412	System and Security Administration
CSC3413	Network Design and Analysis
CSC3419	XML and the Web
CSC3420	Mobile Internet Technology
CSC3427	Switching, Wireless and WAN Technologies

Environment and Sustainability (8 Units)

CLI1110	Weather and Climate
CLI2201	Climate Change and Variability
CLI3301	Climate & Environment Risk Assessment
CLI3302	Adaptation to Climate Change
REN1201	Environmental Studies ¹³
REN2200	Ecology for Sustainability
REN3301	Biodiversity and Conservation ¹³
REN3302	Sustainable Resource Use ¹³

Human Physiology (8 Units)

BI01101	Biology 1
BI01203	Human Anatomy and Physiology
BI02203	Human Physiology
BI02213	Pharmacology
BI03313	Human Physiology and Pharmacology in Disease 1
BI03323	Human Physiology and Pharmacology in Disease 2

plus two from the following:

BI01204	Introduction to Biomedical Sciences
BI03333	Cardiorespiratory and Sports Physiology
BI03620	Physiology and Pathophysiology 1
BI03630	Physiology and Pathophysiology 2

Mathematics (8 Units)

MAT1102	Algebra and Calculus I
MAT1200	Operations Research 1
MAT2100	Algebra and Calculus II
MAT2409	High Performance Numerical Computing
MAT3103	Mathematical Modelling and Dynamical Systems ¹¹
MAT3104	Mathematical Modelling in Financial Economics ¹⁰
MAT3105	Harmony of Partial Differential Equations ¹¹
MAT3201	Operations Research 2 ¹⁰

Physical Sciences (8 Units)

CLI2201	Climate Change and Variability
PHY1104	Physics Concepts 1
PHY1911	Physics Concepts 2
PHY2204	Astronomy and Astrophysics
PHY2206	Medical Physics
PHY3303	Modern Physics
PHYS313	Applied Photonics ¹⁴

plus **one** from the following:

PHYS207	Fluid Mechanics ¹⁴
PHYS211	Electronics ¹⁴
SPX202	Biomechanics 1 ¹⁵

- 1 First-year Psychology will be offered by mixed mode with four non-Psychology courses offered on-campus at Fraser Coast, and four Psychology courses in the external mode.
- 2 Students may commence studying the Human Biology major in Semester 3, studying courses via distance education and on-campus and then continuing the program next year at the Toowoomba campus. The full complement of courses are not available in Semester 3; therefore, full-time students may not be able to complete in three years if commencing in Semester 3.
- 3 Please note that Fraser Coast campus students can only study first-year Bachelor of Science (Biology) and Bachelor of Science (Human Biology) at Fraser Coast campus. Students will then need to transfer to the Toowoomba campus to complete their studies. Both these programs are only available for the Semester 1 intake at the Fraser Coast campus. Semester 2 intake is only applicable to students studying at the Toowoomba campus.

- 4 The Physical Sciences major is only offered by distance education.
- 5 The majors in Human Biology, Biology and Human Physiology are not available by distance education.
- 6 The Human Biology, Human Physiology and Biology majors only have three core courses. If students do not have the recommended Mathematics B level for entry then they will be required to undertake MAT1000 as an elective. Alternatively, an additional elective may be required to be taken to complete the 24 units to graduate.
- 7 Students can study CMS1000 externally instead of CMS1100 in Semester 3.
- 8 It is recommended students who have gained an Exit Level of Very High Achievement (VHA) in Mathematics B in Queensland Grade 12 or its equivalent or an Exit Level of High Achievement (HA) in Mathematics B and High Achievement (HA) in Mathematics C in Queensland Grade 12 or its equivalent, enrol in STA2300 in Semester 1 and MAT1100 in Semester 2 after gaining approval from the Program Coordinator.
- 9 At least three courses must be Level 3 courses.
- 10 This course is offered in odd-numbered years only.
- 11 This course is offered in even-numbered years only.
- 12 Only available on-campus at Springfield campus.
- 13 Available on-campus at Springfield and Toowoomba campuses.
- 14 These courses are offered by the University of New England and made available to USQ students (requiring cross-institutional enrolment into the specified university).
- 15 These courses or equivalent are offered by the University of the Sunshine Coast and made available to USQ students (requiring cross-institutional enrolment into the specified university).

Professional accreditation

The Information Technology major and the Computing major of this program are accredited at professional level by the Australian Computer Society and, through the Seoul Accord, is recognised in other countries.

The Bachelor of Science (Psychology) major is fully accredited by the Australian Psychology Accreditation Council as a three-year sequence of study.





After leaving high school, I was not entirely sure what career I wanted to pursue. I enrolled in the Bachelor of Science (Psychology) as I felt it was a program that could ultimately relate well to many different fields. Throughout my studies at USQ, I gained many valuable skills that have now allowed me to get a job in the area of marketing. I credit USQ with opening the door to this opportunity. My degree is now very much an asset to me in my current work.

ALEXIS WAGNER

BACHELOR OF SCIENCE

Bachelor of Technology (Wine)

Duration 3 years full-time, up to 6 years part-time

Mode of study¹ On-campus, distance education

Campus Toowoomba

Entry requirements Year 12 English (4 SA) or equivalent

Recommended study Mathematics B and Biological Science or Chemistry or equivalent

NOTE

This program is also open to international students.

Program focus

In this program you will develop your knowledge and skills in winemaking, wine science, viticulture, wine business and wine appraisal. You can complete your studies full-time, or part-time while working in the wine industry. Courses cover key theoretical concepts and provide intensive, industry-focused practical experience. Unique features of this program include integrated studies in wine business and weather, climate and climate change, as well as intensive, integrated practical and industry experience.

CAREER OPPORTUNITIES

As a graduate of this degree, you may be employed as a viticulturist, winemaker and operations manager in Australia and overseas. Areas of employment could also include vineyard and winery operation, production management, quality control, marketing and export of wine, or research and development in the wine, brewing and food processing industries.

Program structure

COURSES TO BE STUDIED	UNITS
Core courses	22
<i>plus</i> 2 x Electives	2
TOTAL	24

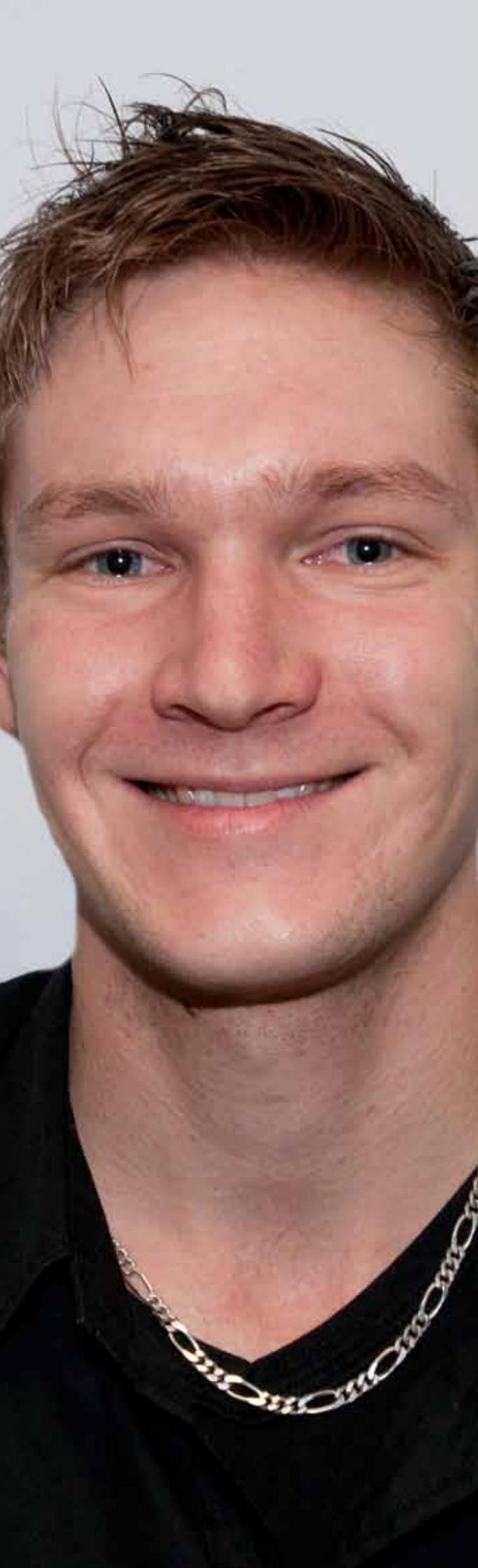
CORE COURSES

BIO1101	Biology 1 ²
BIO2202	Plant Physiology ²
CHE1110	Chemistry 1 ²
CHE2120	Chemistry 2 ²
CLI1110	Weather and Climate
MKT3006	Small and Medium Enterprise Development
MKT1001	Introduction to Marketing
SCI3302	Industry Placement
STA2300	Data Analysis
WIN1101	Grape and Wine Production
WIN2102	Wine Composition, Stability and Analysis
WIN2201	Wine Analysis Practice ³
WIN2202	Winemaking Practice 1
WIN2203	Viticultural Practice 1
WIN2204	Wine Biochemistry
WIN2205	Viticultural Principles
WIN2206	Wine Microbiology
WIN3301	Sensory Analysis
WIN3302	Viticultural Production
WIN3303	Wine Production
WIN3304	Viticultural and Winemaking Practice 2
WIN3306	Sensory Analysis Practice
Two Electives – see Electives	

BUSINESS ELECTIVES

MKT1002	Consumer Behaviour
MKT2001	Promotion Management
MKT2002	Global Marketing
MKT2004	Marketing Channels
MKT3001	Applied Business Research
MKT3007	Marketing Strategy
TOU3010	Event Management

- This program is not available fully on-campus or fully by distance education; to complete the program students will need to undertake courses in a mix of external and on-campus modes.
- For some of the courses listed, you will need to attend residential schools. These will be in two blocks (Semester 1 - BIO1101 and CHE1110; Semester 2 – CHE2120 and BIO2202). International and domestic students residing overseas who want to carry forward all practical components into the final year will need to study these courses in first year; these courses will carry incomplete grades until the practical components are completed.
- Offered in Semester 3 only.



What I have enjoyed most about USQ is the friendly nature of the staff and their willingness to make time for students. Before starting at USQ, I was interested in getting into medicine, research or teaching. USQ is helping me achieve my goals. I have been offered employment by the National Centre for Engineering in Agriculture (NCEA) as a microbiologist/research assistant for a 2 year project.

PETER HARRIS

BACHELOR OF SCIENCE (HONOURS)

Bachelor of Science (Honours)

Duration This program must be completed within 2 years of first enrolling

Mode of study On-campus¹, distance education²

Campus Toowoomba

Entry requirements 3-year Bachelor of Science Degree or equivalent from a recognised institution with a minimum GPA of 5.0 (Credit) completed a maximum of 3 years prior to application

Additional requirements Psychology major: candidates must have completed a program of study approved by the Australian Psychology Accreditation Council (APAC) as constituting the first three years (or equivalent) of study in psychology within the last three years

Biology major: candidates must have submitted, and had approved, a project proposal for which an appropriate supervisor is available before commencing studies

Program focus

The Bachelor of Science (Honours) gives you the opportunity to extend your knowledge and skills in a specific discipline area that interests you. You will have the opportunity to conduct and report on a research project under the supervision of a staff member with the appropriate expertise. The program will give you an appreciation of the professional standards required of the practising scientist, and the ethical challenges presented by modern science and technology. You will also participate in research teams, be introduced to advanced experimental and literature research methods, and have opportunities to make contact with the wider scientific community in the local region, elsewhere in Australia and overseas. Majors are available in:

- Applied Mathematics/Statistics
- Biology, Chemistry, Climatology and Physics
- Psychology.

NOTE

The availability of these majors are subject to the availability of a suitable supervisor for an appropriate project.

CAREER OPPORTUNITIES

This program allows you to expand your knowledge in your field of study and gain experience in the conduct of high-level scientific research. Successful completion of honours will qualify you for entry into postgraduate programs, including masters and PhD studies.

Program structure

COURSES TO BE STUDIED	UNITS
1 x Major ³	8
TOTAL	8

APPLIED MATHEMATICS/STATISTICS

CSC8410	Independent Studies in Computing/Mathematics/Statistics A
CSC8411	Independent Studies in Computing/Mathematics/Statistics B
MAT8180	Mathematics/Statistics Complementary Studies A
MAT8190	Mathematics/Statistics Complementary Studies B
MSC8001	Research Project Methodology ⁴
MSC8002	Research Project Dissertation ⁴

BIOLOGY/CHEMISTRY/CLIMATOLOGY AND PHYSICS

SCI4401	Science Honours Project A ⁵
SCI4402	Science Honours Project B ⁵
SCI4403	Special Study in Science
SCI4405	Research Practice and Ethics

PSYCHOLOGY⁶

PSY4001	Psychology Honours Project 1 ⁴
PSY4002	Psychology Honours Project 2 ⁴
PSY4020	Ethical and Professional Practice ⁷
PSY4030	Skills and Issues in Counselling ⁷
PSY4070	Advanced Assessment
PSY4111	Multivariate Analysis ⁷
PSY4040	Advanced Psychological Theory ^{7,8}
	or PSY4065 Positive Psychology: Theory and Application ⁹

Professional accreditation

PSYCHOLOGY MAJOR

The Bachelor of Science (Honours) Psychology major is available in both on-campus and external mode, and is fully accredited by the Australian Psychology Accreditation Council (APAC) as a fourth-year program in psychology.

As a graduate of the Bachelor of Science (Honours) program, students will be eligible to apply for provisional registration as a psychologist with the Psychology Board of Australia. However, there is a requirement to complete a further two years of supervised practice or an approved masters program after initial registration. Graduates are also eligible to apply to the Australian Psychological Society for Associate Membership. If graduates achieve a high level of honours (either First Class or Second Class, Division A), they would be eligible to apply for a masters program or PhD at USQ and other universities.

- 1 The Psychology honours program usually has a Semester 1 intake.
- 2 Only the Psychology major is available externally and compulsory residential school attendance is required on-campus in Toowoomba four times yearly. Overseas students can only complete the Psychology honours program as full-time on-campus students.
- 3 The availability of these majors is subject to the availability of a suitable supervisor for an appropriate project.
- 4 Two units.
- 5 Three units.
- 6 The Psychology major has a compulsory residential school at the Toowoomba campus.
- 7 Students intending to study this course by distance education must attend two residential schools, of one week's duration each, in the relevant semester.
- 8 This course is only offered at Toowoomba campus.
- 9 This course is only offered at Springfield campus.

Double degree program

Bachelor of Commerce and Bachelor of Science

Duration 4 years full-time, up to 8 years part-time

Mode of study On-campus, distance education

Campus Toowoomba

Entry requirements Year 12 English (4 SA) or equivalent

Program focus

In this program, you will have an opportunity to attain, in minimum time, a single qualification in Commerce and Science by completing two majors (Finance, and Mathematics and Statistics).

CAREER OPPORTUNITIES

As a graduate, you will have the following career possibilities available to you: actuary, financial mathematician, statistician for commercial and banking industries, stockbroker, financial planner, financial analyst, and business forecasting.

Program structure

COURSES TO BE STUDIED	UNITS
Core courses	11
<i>plus</i> 1 x 8-unit Commerce Major (Finance courses)	8
<i>plus</i> 1 x 12-unit Science Major (Mathematics and Statistics courses)	13
<i>plus</i> 1 x Elective	
<i>or</i> 1 x 8-unit Major (Mathematics and Statistics courses)	
<i>plus</i> 5 x Electives	
TOTAL	32

CORE COURSES

ACC1101 Accounting for Decision-Making
 CIS1000 Information Systems Concepts
 CMS1000 Communication and Scholarship
 CSC1401 Foundation Programming
 ECO1000 Economics
 FIN1101 Introduction to Corporate Finance
 LAW1101 Introduction to Law
 MAT1101 Discrete Mathematics for Computing
 MGT1000 Organisational Behaviour
 STA2300 Data Analysis
plus one from the following:
 MKT1001 Introduction to Marketing
 POL1000 Government, Business and Society

COMMERCE MAJORS

Accounting

ACC1102 Financial Accounting
 ACC2113 Management Accounting I
 ACC2115 Company Accounting
 ACC3101 Accounting Information Systems
 ACC3116 Accounting and Society
 ACC3118 Auditing
 LAW2106 Law of Business Organisations
 LAW3130 Revenue Law and Practice

Business Law

LAW2104 Business and Consumer Law
 LAW2106 Law of Business Organisations
 LAW2107 Environmental Law
 LAW2301 e-Law
 LAW3104 Management Law
 LAW3110 Insolvency and Restructuring Law
 LAW3130 Revenue Law and Practice
 LAW3131 Revenue Law and Practice II

Finance

FIN1103 Financial Markets
 FIN2105 Portfolio Management
 FIN2108 Credit Analysis and Lending Management
 FIN2302 Financial Economics and Methods
 FIN3101 Finance Theory and Applications
 FIN3106 International Finance
 FIN3109 Managing Financial Institutions
 ECO2000 Macroeconomics for Business and Government
or FIN2106 Personal Financial Planning

Sustainable Business

ECO3030 Sustainable Economies¹
 LAW2107 Environmental Law
 REN1201 Environmental Studies
 REN3301 Biodiversity and Conservation
 REN3302 Sustainable Resource Use
plus three from the following:
 ACC3040 Sustainable Business
 ACC3041 Sustainable Accounting and Finance
 BUS3000 Work Integrated Learning
 CIS1101 Business Online
 CIS3008 Information Technology Service Management
 CLI1110 Weather and Climate
 CMS3010 Environmental Discourses: Democracy, Science & Economics
 MGT2002 Managing Organisations
 MGT2008 Managing Knowledge
 MGT3001 Global Management
 MGT3002 Leading Organisational Change
 POL3013 Sustainability and Politics¹
 TOU2008 Ecotourism
 TOU3007 Tourism Planning
or any other course with the approval of the Director of Undergraduate Studies

Sustainable Economics and Policy

ECO2000	Macroeconomics for Business and Government
ECO2001	Microeconomics for Business and Government ¹
ECO3002	Economic Policy Analysis ¹
ECO3030	Sustainable Economies ¹
POL2000	Political and Economic Ideas
POL2001	Politics and International Business
POL3013	Sustainability and Politics ¹
REN1201	Environmental Studies

General Commerce

Students may select 8 courses from all courses listed in Bachelor of Commerce majors

NOTE

This major may only be taken as a first major by Bachelor of Commerce students.

SCIENCE MAJORS

Computing

CSC2401	Algorithms and Data Structures
CSC2402	Object-Oriented Programming in C++
CSC2408	Software Development Tools
ELE1301	Computer Engineering

plus four from the following:

CSC3400	Database Systems
CSC3403	Comparative Programming Languages
CSC3407	Network Fundamentals and Routing
CSC3412	System and Security Administration
CSC3413	Network Design and Analysis
CSC3419	XML and the Web
CSC3420	Mobile Internet Technology
CSC3427	Switching, Wireless and WAN Technologies

Information Technology

CSC2401	Algorithms and Data Structures
CSC2402	Object-Oriented Programming in C++
CSC2408	Software Development Tools
ELE1301	Computer Engineering

plus eight of the following²:

CSC2404	Operating Systems
CSC2406	Web Technology
CSC2407	Introduction to Software Engineering
CSC3400	Database Systems
CSC3403	Comparative Programming Languages
CSC3407	Network Fundamentals and Routing
CSC3412	System and Security Administration
CSC3413	Network Design and Analysis
CSC3419	XML and the Web
CSC3420	Mobile Internet Technology
CSC3427	Switching, Wireless and WAN Technologies

Mathematics

MAT1102	Algebra and Calculus I
MAT1200	Operations Research 1
MAT2100	Algebra and Calculus II
MAT2409	High Performance Numerical Computing
MAT3103	Mathematical Modelling and Dynamical Systems ³
MAT3104	Mathematical Modelling in Financial Economics ⁴
MAT3105	Harmony of Partial Differential Equations ³
MAT3201	Operations Research 2 ⁴

Mathematics and Statistics

MAT1102	Algebra and Calculus I
MAT1200	Operations Research 1
MAT2100	Algebra and Calculus II
MAT2409	High Performance Numerical Computing
MAT3103	Mathematical Modelling and Dynamical Systems ³
MAT3104	Mathematical Modelling in Financial Economics ⁴
MAT3105	Harmony of Partial Differential Equations ³
MAT3201	Operations Research 2 ⁴
STA2301	Distribution Theory
STA2302	Statistical Inference
STA3300	Experimental Design
STA3301	Statistical Models

Professional accreditation

Accounting major graduates will meet the educational entrance requirements of CPA Australia and The Institute of Chartered Accountants in Australia (ICAA). This provides Associate membership of CPA Australia, eligibility to study the CPA professional exams and eligibility to study the ICAA professional exams.⁵

Graduates will meet the educational entrance requirements to become an Associate member of the Financial Services Institute of Australasia (Finsia).

The Information Technology major and the Computing major of the Bachelor of Science are accredited at professional level by the Australian Computer Society and, through the Seoul Accord, is recognised in other countries.

The Faculty of Business and Law is currently seeking accreditation for its Information Technology Management major within the Bachelor of Commerce from the Australian Computer Society.

- 1 Not available on-campus.
- 2 At least three of the courses must be Level 3 courses [Level 3 courses are courses with course code CSC3xxx].
- 3 Offered in even-numbered years only.
- 4 Offered in odd-numbered years only.
- 5 Students must also complete FIN1101 Introduction to Corporate Finance to meet the requirements of these bodies.

Combined degree programs

■ Bachelor of Arts and Bachelor of Science

Duration 4 years full-time, 8 years part-time

Mode of study On-campus, distance education

Campus Toowoomba

Entry requirements Year 12 English (4 SA) or equivalent

Science majors Applicants for the Mathematics major or Mathematics and Statistics major are also required to have achieved a level of Sound Achievement over four semesters in Queensland Senior (Year 12) Mathematics B (4 SA) or equivalent.

Recommended study Information Technology and Computing: Mathematics A/ Mathematics B (4 SA) or equivalent
Biology, Human Physiology: Mathematics B, Biological Science, Chemistry, or Physics or equivalent
Environment and Sustainability: Mathematics B, Biological Science, Chemistry or Physics
Physical Sciences: Biological Science, Chemistry, Physics, or Multi-strand Science or equivalent

Program focus

This degree will allow you to complete two majors from the Bachelor of Arts and one eight-course major from the Bachelor of Science.

CAREER OPPORTUNITIES

As a graduate of this program, you may find employment in many fields within the arts and sciences industries.

Program structure

COURSES TO BE STUDIED	UNITS
Core courses	4
<i>plus</i> 2 x Arts Majors (2 x 7-unit Majors)	14
<i>plus</i> 1 x 8-unit Science Major <i>plus</i> 1 x 4-unit Science Minor	12
<i>or</i> 1 x 12-unit Science Major	
<i>plus</i> 2 x Science Electives	2
TOTAL	32

CORE COURSES

CSC1402 Foundation Computing¹
STA2300 Data Analysis
CMS1000 Communication and Scholarship²
plus another approved Arts core course³

MAJOR COURSES

Students can select Arts courses from the areas of: Anthropology, Communication and Media Studies, Creative Media, English Literature, History, Indigenous Studies, Indonesian Language, International Relations, Journalism, Language and Culture, Music (Practice or Theory), Public Relations, Theatre (Practice or Theory), and Visual Arts (Practice or Theory).

Students can select Science courses from the areas of: Biology, Computing, Environment and Sustainability, Human Physiology, Information Technology, Mathematics, Mathematics and Statistics, Physical Sciences, and Psychology.

For detailed course listings within the Bachelor of Arts and Bachelor of Science, please visit the handbook at:

www.usq.edu.au/handbook

- 1 Students majoring in Computing, Mathematics, Information Technology or Mathematics and Statistics must take CIS1000 Information System Concepts instead of this course.
- 2 Biology major students must take CMS1100 Communicating in the Sciences instead of this course.
- 3 Students majoring in Psychology must take PSY1030 Cross-Cultural and Indigenous Psychology as their fourth core course. Students majoring in Computing (eight-unit major) or Information Technology (12-unit major) must take CSC1401 as an elective.

■ Bachelor of Engineering and Bachelor of Science

Duration	5 years full-time, 8 years part-time
Mode of study	On-campus, distance education
Campus	Toowoomba
Entry requirements¹	Year 12 English (4 SA) and Mathematics B (4 SA) or equivalent
Recommended study	Year 12 Physics
Program articulation	From: Associate Degree of Engineering; Bachelor of Engineering Technology; Bachelor of Engineering

Program focus

This program is ideal if you see your career incorporating both the areas of Engineering and Science. The program offers you a high level of flexibility, as you are able to choose the combination that best suits your career aspirations. You will be able to select one of nine Engineering majors and combine it with one of the following Science majors: Biology, Computing, Environment and Sustainability, Human Physiology, Mathematics and Physical Sciences. The award may be conferred with honours to high-achieving students.

CAREER OPPORTUNITIES

As a graduate of this program, you can look forward to a career as a professional engineer with expertise in a science discipline.

Program structure

COURSES TO BE STUDIED	UNITS
Core courses	14
<i>plus</i> 1 x Engineering Major	18
<i>plus</i> 1 x Science Major	8
<i>plus</i> 6–8 x Practice courses (0 units value)	
TOTAL	40

CORE COURSES²

ENG1002	Introduction to Engineering and Spatial Science Applications
ENG1100	Introduction to Engineering Design
ENG1101	Introduction to Engineering Problem Solving
ENG2002	Technology, Sustainability and Society
ENG2102	Engineering Problem Solving and Analysis
ENG3003	Engineering Management
ENG3103	Engineering Problem Solving Computations
ENG4104	Engineering Problem Solving Simulations
ENG4111	Research Project Part 1
ENG4112	Research Project Part 2
MAT1500	Engineering Mathematics 1
MAT1502	Engineering Mathematics 2
MAT2500	Engineering Mathematics 3
STA2300	Data Analysis

PRACTICE COURSES

ENG1901	Engineering Practice 1
ENG3902	Professional Practice 1
ENG4903	Professional Practice 2
ENG4909	Work Experience – Professional

ENGINEERING MAJORS

Due to the large number of combinations of courses available, it is recommended you refer to the USQ Handbook:

www.usq.edu.au/handbook or contact us via email: **studyengineering@usq.edu.au**

SCIENCE MAJORS

Please refer to the 8-unit Major courses under the Bachelor of Science listing on page 3.

NOTE

Not all courses are available on-campus in 2012.

Professional accreditation

A graduate of this program is eligible to apply for membership of Engineers Australia as a graduate engineer. After further professional development, a graduate member with a Bachelor of Engineering may apply for chartered status as a professional engineer and, when granted, may use the post-nominal MIEAust CPEng.

The Bachelor of Engineering program is accredited by Engineers Australia and, through an agreement reached between the professional engineering bodies of other countries (the Washington Accord), is also recognised in the United Kingdom, the United States of America, Canada, Ireland, Hong Kong, New Zealand and South Africa.

The Computer major of Bachelor of Science is accredited at professional level by the Australian Computer Society and, through the Seoul Accord, is recognised in other countries.

- 1 To be admitted to the program, students who intend studying part-time (i.e. less than six units per year) must be eligible to receive at least 16 units of exemptions. Contact the Faculty of Engineering and Surveying for details: **studyengineering@usq.edu.au**
- 2 Students who enrol in the Bachelor of Science program must complete four core courses, the course STA2300 Data Analysis, and one course from each of three other categories: Communication Studies, Computing Studies, and Enabling Studies. The courses students study in each of these categories depend on the Science major they undertake (refer to the Bachelor of Science Handbook entry).

What does university study cost?

There are two main costs incurred for university study: program fees and textbook purchase.

■ Program fees

There are a limited number of Commonwealth supported places available for Australian citizens, New Zealand citizens (resident in Australia) and Australian permanent residents (resident in Australia). Students are required to pay the Student Contribution Amount associated with these places. The Student Contribution Amount is charged per course/ per semester. Additional places which are not supported by the Australian Government may be available; however, these places will incur full tuition fees.

Fee assistance for undergraduate study

The Higher Education Loan Program (HELP) is a package of loans available to help students pay their Student Contribution Amount or full tuition. It includes:

- HECS-HELP for eligible students paying Student Contribution Amount
- FEE-HELP for eligible students paying full tuition fees
- OS-HELP for eligible students who want to study overseas.

HECS-HELP

HECS-HELP is a loan that helps eligible Commonwealth supported students to pay their Student Contribution Amount. It is available to Australian citizens and students holding permanent humanitarian visas only. The Student Contribution Amount varies according to the courses studied at USQ. Eligible students can choose to pay some or all of their Student Contribution Amount upfront, or they can access a HECS-HELP loan to cover some or all of this charge. HECS-HELP enables students to commence repayment via the tax system when their income reaches a certain level.

Students who are eligible for HECS-HELP assistance receive a 10 percent discount on upfront payments of \$500 or more.

To determine whether a program is Commonwealth supported, refer to the program summary in the USQ Handbook: www.usq.edu.au/handbook

FEE-HELP

FEE-HELP is a loan of up to a Government-approved balance that helps eligible full-tuition-paying students pay their tuition fees. FEE-HELP is available to Australian citizens and students holding permanent humanitarian visas only. Eligible students may pay some or all of their tuition fees upfront, or they may request a FEE-HELP loan to cover some or all of their tuition fees. Students accessing FEE-HELP for undergraduate study will pay a 25 percent loan fee. Full tuition fees vary according to the discipline studied at USQ.

OS-HELP

OS-HELP is a loan that assists eligible Commonwealth supported students undertake some of their undergraduate study overseas. These loans are designed to help students with a range of expenses, such as airfares and accommodation. Australian citizens and students holding permanent humanitarian visas may be eligible for an OS-HELP loan. USQ has a limited number of OS-HELP loans available for eligible students. Each loan of up to \$5824 (indexed annually) is for a six-month study period. Students may access a second loan for a further six-month period under certain circumstances. OS-HELP is not available in the first year or final semester.

For further information on HELP, please refer to the Australian Government website: www.goingtouni.gov.au or the USQ fees webpage at: www.usq.edu.au/fees

International students

If you are not an Australian citizen, a New Zealand citizen or the holder of an Australian permanent resident visa, you are required to pay international student fees. For further information, please contact USQ International, or refer to USQ International's website: www.usq.edu.au/international. HELP loans are not available to international students.

2012 Student fees (AUD) per unit^{1, 2}

AREA OF STUDY	STUDENT CONTRIBUTION BAND	UPFRONT STUDENT CONTRIBUTION ³ (CSP)	DEFER TO HECS-HELP STUDENT CONTRIBUTION (CSP)	UNDERGRADUATE FULL-FEE-PAYING STUDENT TUITION (N-CSP)
Mathematics	National Priority	508.50	565	1850
Science	National Priority	508.50	565	1820
Statistics	National Priority	508.50	565	1850
Education	1	635.40	706	1820
Humanities	1	635.40	706	1810
Linguistics	1	635.40	706	1810
Nursing	1	635.40	706	1820
Psychology	1	635.40	706	1810
Visual and Performing Arts	1	635.40	706	1810
Computing (Business)	2	905.40	1006	1830
Computing (Science)	2	905.40	1006	1850
Engineering and Surveying	2	905.40	1006	2130
Accounting	3	1060.20	1178	1790
Business	3	1060.20	1178	1790
Commerce	3	1060.20	1178	1790
Economics	3	1060.20	1178	1790
Law	3	1060.20	1178	1790

CSP: Commonwealth Supported Place

N-CSP: Non-Commonwealth Supported Place

Fees are correct at the time of printing and are subject to change, for current information, phone USQ on **1800 007 252** or visit: www.usq.edu.au/fees

¹ These fees can be expected to increase by approximately 2.5% in 2013.

² The exact cost will vary depending on which program you do, and which specific courses you do within it.

³ Upfront student contribution figures include the 10% discount – New Zealand citizens and holders of an Australian permanent resident visa are not eligible for the discount and will pay the full Student Contribution Amount, as indicated in the 'Defer to HECS-HELP Student Contribution' column.

■ Textbooks

The cost of books, stationery and other supplies will vary, according to the courses you study. Students are usually expected to have their own textbooks. Reference books are available from the library or can be sent via the library post service if you are a distance education student. The USQ Bookshop sells all new textbooks needed for USQ courses. The bookshop also sells a limited range of software, calculators and stationery. Textbooks cost about \$300 to \$600 a semester for a full-time student if purchased new; second-hand textbooks are available through the Student Guild. Additional costs may apply for some programs, e.g. uniforms and special equipment required for Nursing.

Further information on textbooks expenses can be found at: <http://bookshop.usq.edu.au>

■ Student Services and Amenities Fee

In accordance with new Australian Government legislation, it is envisaged that you will be charged a Student Services and Amenities Fee to cover services such as employment and career advice, health services, financial advice and other support services. The Student Services and Amenities Fee for 2013 has not yet been determined, but it is likely to be similar to the maximum fee of \$263 per student in 2012. If you are an Australian citizen who is eligible to access a HELP loan, you will have the ability to defer payment through the SA-HELP scheme.

For more information about the Student Services and Amenities fee at USQ, please visit: www.usq.edu.au/fees

Financial assistance

Financial assistance for eligible students is available through Youth Allowance (for students under the age of 25), Austudy and Abstudy. Further information is available from the government-run Centrelink on **13 24 90** or visit www.centrelink.gov.au

USQ also maintains interest-free loan schemes to assist students in the short-term whose overall welfare and academic progress are at risk through financial pressures. For more information, please visit: www.usq.edu.au/student-services/finassist

Scholarships

If you are considering attending university in the near future, a USQ scholarship can help you achieve your academic potential by allowing you to concentrate on your studies.

We offer more than 100 scholarships to students who have demonstrated academic excellence, leadership and participation in the wider community. Scholarships are also available to students whose ability to attend university and achieve their full academic potential is affected by financial hardship. There are scholarships for mature-age students who are returning to study; and others for students heading to university from school or TAFE. Students who are halfway through their degree and have demonstrated a high level of academic merit at USQ can also apply for scholarships to help them finish their studies.

We offer a wide range of scholarships

We offer scholarships for on-campus study, distance study, Aboriginal and Torres Strait Islander students, international students, as well as Government-funded scholarships and Equity scholarships for eligible applicants. We encourage all of our applicants to apply for scholarships; it is important to address the selection criteria fully and provide supporting evidence to give you the best chance of success. If you are receiving a benefit from Centrelink, you may also be eligible for one of their scholarships. Make sure you contact Centrelink on **13 24 90** and advise them of your current educational situation.

Application process

The eligibility criteria and application process varies according to the different scholarships. Application details are listed on the website and in the Scholarships Brochure; ensure that you follow the instructions for each scholarship carefully. You can apply for more than one scholarship to improve your chances of receiving support.

KEY DATES FOR SCHOLARSHIP APPLICATIONS 2012 – 2013¹

Applications close (in most cases)	5pm (AEST) Friday 26 October 2012
Notification of outcome (in most cases)	End of January 2013
First instalments paid	April/May 2013
Second instalments paid (where applicable)	September 2013

NOTE

The number of scholarships awarded varies from year to year.

¹ For individual scholarship information, a full list of all scholarships, the application procedures and the application closing dates, please visit: www.usq.edu.au/scholarships

How to apply

QTAC

In most instances, applications for undergraduate programs should be made through the Queensland Tertiary Admissions Centre (QTAC). QTAC's role is to provide a centralised application system for Queensland tertiary institutions.

Current year 12 students

Domestic applicants for undergraduate programs at USQ should apply via QTAC. If you are completing Year 12 in 2012, your school will be available to assist you through the QTAC application process. You should apply to QTAC via the Twelve-to-Tertiary online application service at: www.qtac.edu.au

Non-year 12 applicants

To gain entry to USQ, it is not necessary to have completed Year 12 or to have any formal academic qualifications. Alternative entry enables you to demonstrate your capacity to undertake tertiary study on the basis of the following:

- professional and post-secondary qualification
- employment experience
- Personal Competencies Assessment (PCA)
- results in the Special Tertiary Admissions Test (STAT).

If you would like to discuss your eligibility into a program, please call us on **1800 269 500**. Once minimum entry requirements have been met, you can apply via QTAC's Apply-by-Web service: www.qtac.edu.au

NOTE

If you are a non-Year 12 applicant, you are required to satisfy minimum entry requirements, such as subject pre-requisites, interviews, or auditions.

Direct entry

Whilst some undergraduate applicants have the option to apply directly to USQ (as outlined below), the Bachelor of Education (Technical and Vocational Education) and Bachelor of Vocational Education and Training require all applicants to directly apply to USQ for entry. You can apply online and attach scanned certified copies of any required supporting documentation with your application. For anyone without access to a computer, there are direct entry forms available by contacting us on **1800 269 500**.

TAFE

If you have completed a TAFE qualification in the past five years that is listed under the articulation agreement between TAFE and USQ, then you can apply directly to USQ and receive credit towards your degree.

To view articulating TAFE programs, please visit:

www.usq.edu.au/future-students/am-i-eligible/credit

All other graduates of TAFE or registered training providers should apply via QTAC.

Open Access College (OAC)

OAC was established in 2008 to provide pathway programs to university study. Our aim is to prepare you for entry to degree-level studies at USQ. We offer a range of support services for students from many different backgrounds and provide you with the skills to succeed at university. Upon successful completion of one of our pathway programs, you are guaranteed entry into an undergraduate program.

You can apply directly to OAC at:

www.usq.edu.au/future-students/am-i-eligible

Modes of study

On-campus study involves attending lectures and tutorials each week on-campus. This mode of study allows you to interact with your peers face-to-face on a regular basis.

Online (Distance Education) study is where you are provided with all your study materials throughout a semester by post and online. These materials are divided into comprehensive, week-by-week guides, but you have the flexibility to work through these materials at your own pace during the semester.

Intensive mode is available on-campus at USQ Springfield in concentrated three-day blocks run twice a semester. You will also receive distance materials so you are able to undertake your studies even if you are unable to attend the intensive-mode session.

IT requirements

USQ makes recommendations about the type of hardware and software best suited to match the University's systems. Compliance with these recommendations will ensure you receive the computing help needed if you are experiencing problems.

Recommended hardware and software requirements can be found at: www.usq.edu.au/ict/students/standards

Key dates

■ Meet us at an event near you

Reinvent Your Career Expo

Saturday 24 - Sunday 25 March 2012

Brisbane Convention and Exhibition Centre

www.reinventyourcareer.com.au

The National Careers & Employment Expo

Friday 4 - Saturday 5 May 2012

Brisbane Convention and Exhibition Centre

www.eocexpo.com.au/brisbane.aspx

Gold Coast Careers Expo

Thursday 10 May 2012

RACV Royal Pines Resort, Ashmore

www.gccareersexpo.com.au

Sunshine Coast Careers Expo

Thursday 19 July 2012

University of the Sunshine Coast Sports Stadium
Sippy Downs

www.careersevent.com

TSXPO (Tertiary Studies Expo)

Saturday 21 - Sunday 22 July 2012

RNA Showgrounds, Brisbane

www.careersevent.com

Fraser Coast Careers Expo

Thursday 26 July 2012

Stanthorpe Careers Expo

Monday 30 July 2012

Stanthorpe State High School

Warwick Careers Expo

Monday 30 July 2012

Warwick Indoor Recreation Centre

Toowoomba Chronicle Careers Expo

Tuesday 31 July 2012

USQ Clive Berghofer Recreation Centre, Toowoomba

www.careersevent.com

Dalby Careers Expo

Wednesday 1 August 2012

Dalby State High School Great Hall

Ipswich Careers Expo

Wednesday 1 August 2012

Bremer TAFE, Bundamba Campus

South Burnett Careers Expo

Thursday 2 August 2012

Kingaroy State High School, Indoor Sports Centre

Chinchilla Careers Expo

Tuesday 14 August 2012

Chinchilla Cultural Centre

Charleville Careers Expo

Thursday 16 August 2012

For more information, please contact the
USQ School Liaison team, phone **(07) 4631 2653**, or visit:
www.usq.edu.au/school-liaison/events

■ Semester start dates

Semester 2 2012

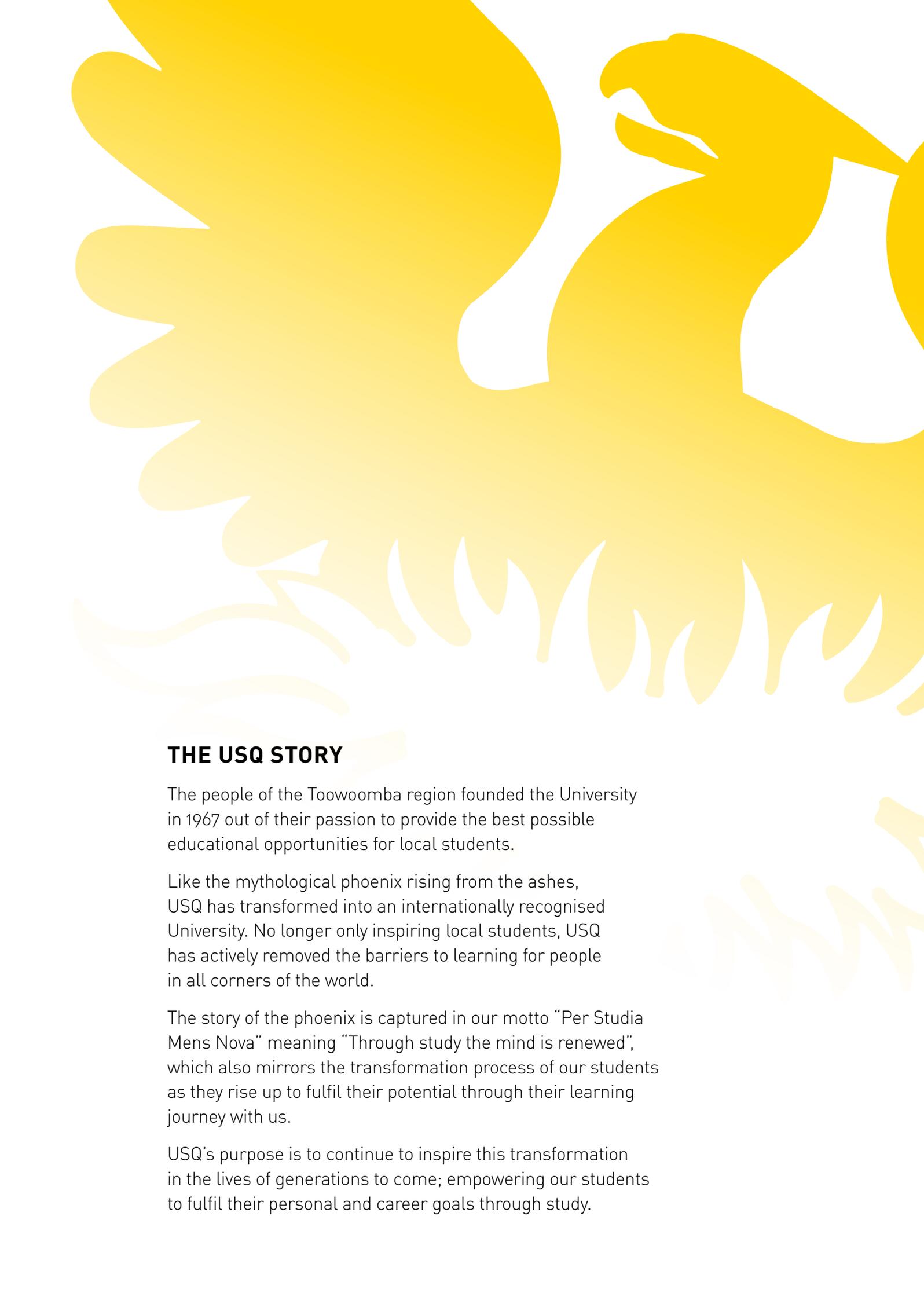
Monday 16 July 2012

Semester 3 2012

Monday 12 November 2012

Semester 1 2013

Monday 4 March 2013



THE USQ STORY

The people of the Toowoomba region founded the University in 1967 out of their passion to provide the best possible educational opportunities for local students.

Like the mythological phoenix rising from the ashes, USQ has transformed into an internationally recognised University. No longer only inspiring local students, USQ has actively removed the barriers to learning for people in all corners of the world.

The story of the phoenix is captured in our motto “Per Studia Mens Nova” meaning “Through study the mind is renewed”, which also mirrors the transformation process of our students as they rise up to fulfil their potential through their learning journey with us.

USQ’s purpose is to continue to inspire this transformation in the lives of generations to come; empowering our students to fulfil their personal and career goals through study.

1800 269 500 • study@usq.edu.au
www.usq.edu.au/future-students

USQ Open Days

Fraser Coast Open Day Sunday 5 August 2012

Toowoomba Open Day Sunday 19 August 2012

Springfield Open Day Sunday 26 August 2012



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[Youtube.com/usqedu](https://www.youtube.com/usqedu)



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[Twitter.com/usqedu](https://twitter.com/usqedu)



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