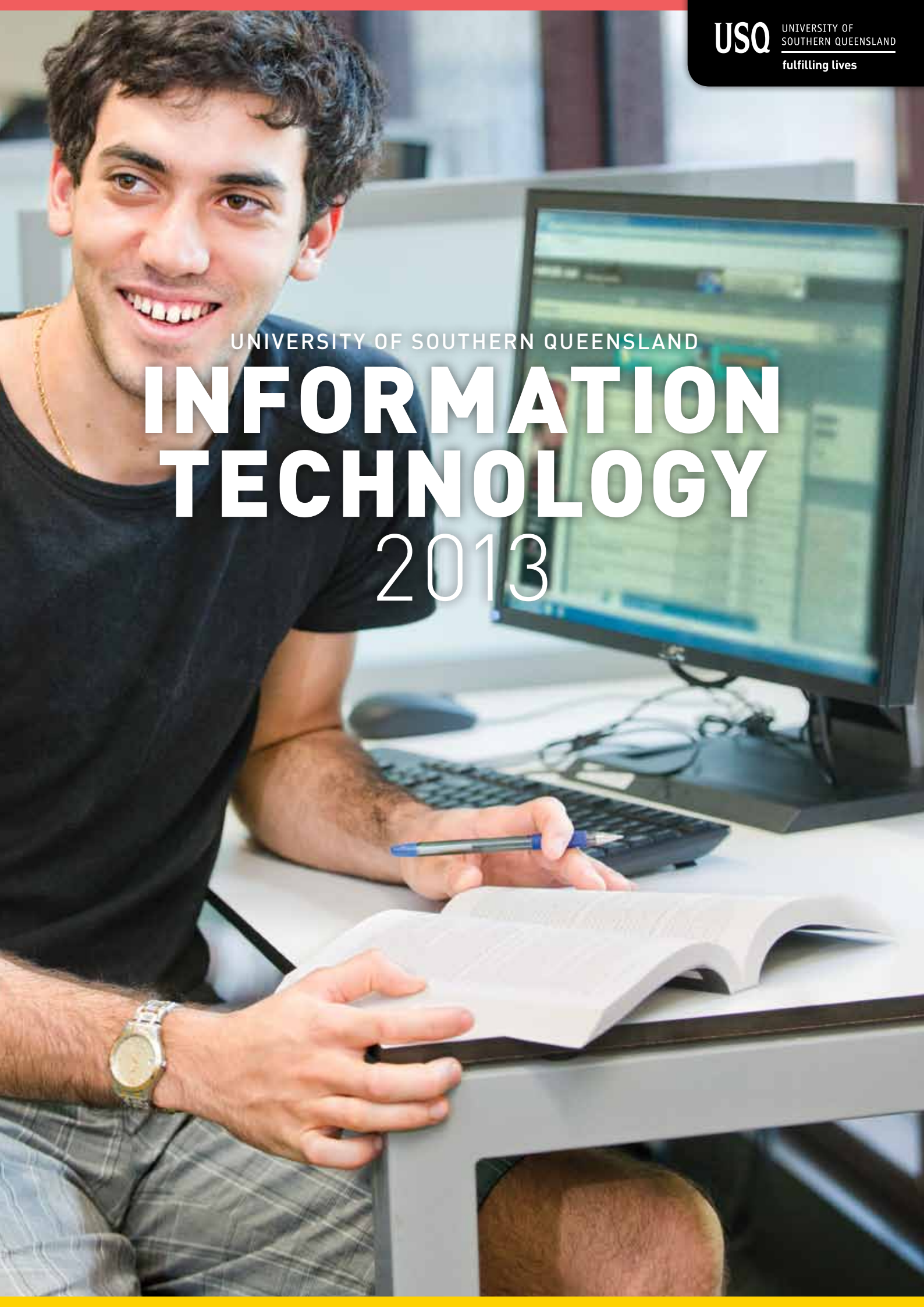


UNIVERSITY OF SOUTHERN QUEENSLAND

INFORMATION TECHNOLOGY 2013





I enjoyed the small class sizes at USQ which allow for more personalised interaction with lecturers. The quality and availability of course materials was excellent. I also really enjoyed being able to apply everything I've learnt in practical classes – it gives a sense of accomplishment and made me feel like this degree was getting me places. My goal before applying to USQ was to become a Web Designer, and this USQ program has given me all the skills I need to achieve my dream.

LUKE AINSWORTH

BACHELOR OF INFORMATION TECHNOLOGY
(APPLIED COMPUTER SCIENCE)

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 Information Technology at USQ?

We live in a connected world – a fast-paced, rapidly changing world where new challenges are presented every day. Our world needs graduates with the skills to realise the potential of existing technologies, to exploit the opportunities of new technologies, and to help businesses and organisations navigate through this maze.

The world needs graduates who have studied a blend of business and IT to equip them for future challenges and opportunities. Our curriculum is constantly evolving to encompass both business and industry-relevant subjects. USQ's IT 'classrooms' are truly global, with students from many countries studying with us concurrently.

USQ's graduates are recognised globally – USQ's graduates have a passport for jobs anywhere in the world.

Our programs are both vocationally and academically oriented, and many have accreditation by professional bodies, such as the Australian Computing Society (ACS).

Contents

PROGRAMS	3	WHAT DOES UNIVERSITY STUDY COST?	20
Bachelor of Business	3	Program fees	20
Bachelor of Commerce	4		
Bachelor of Creative Arts	5	2012 STUDENT FEES (AUD) PER UNIT	21
Associate Degree of Engineering	6	Textbooks	21
Bachelor of Engineering Technology	7	Student Services and Amenities Fee	21
Bachelor of Engineering	8	Financial assistance	22
Bachelor of Information Technology	9		
Bachelor of Science	12	SCHOLARSHIPS	22
		We offer a wide range of scholarships	22
DOUBLE DEGREE PROGRAMS	14	Application process	22
Bachelor of Business and			
Bachelor of Information Technology	14	HOW TO APPLY	23
Bachelor of Commerce and Bachelor of Information Technology	16	QTAC	23
		Direct entry	23
COMBINED DEGREE PROGRAMS	18	MODES OF STUDY	23
Bachelor of Arts and Bachelor of Science	18		
Bachelor of Engineering and Bachelor of Information Technology	19	IT REQUIREMENTS	23
		KEY DATES	24
		Meet us at an event near you	24
		Semester start dates	24

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 Information Technology here at USQ, you can check out the following websites:

- Arts-focused IT: www.usq.edu.au/arts
- Business-focused IT: www.usq.edu.au/business-law
- Engineering-focused IT: www.usq.edu.au/engsurv
- Sciences-focused IT: 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 Business

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

Mode of study On-campus, distance education

Campus Toowoomba, Springfield, Fraser Coast

Entry requirements Year 12 English (4 SA) or equivalent

NOTE

The Information Technology Management major is not available on-campus at Springfield and Fraser Coast.

Program focus

INFORMATION TECHNOLOGY MANAGEMENT

The Information Technology Management major is highly focused on Information Systems (IS) as a key strategic enabler of business success and teaches you how to leverage IS to identify and solve business problems. This major serves as a pathway into a variety of rapidly emerging IS career paths where business skills, for example communication, problem-solving and teamwork, are most important. As an Information Technology Management student, you will develop skills in electronic commerce, systems analysis, database design and implementation, security, network management, service management and enterprise resource systems. You will study leading-edge business packages and tools, such as Oracle, SAP and ISO20000, and will be provided with the opportunity to pursue professional certification in a number of these areas.

Career opportunities

As a graduate, your career opportunities may include: business analyst, systems analyst, data architect, business process/data modeller, enterprise resource planning (ERP) analyst, computer trainer/support, help desk support, IT manager, IT sales and marketing specialist, change manager, business process engineer, IT project manager, consultant, business continuity (BCM) specialist, IT security specialist and service management.

OTHER MAJORS

For details of other majors within this program outside of the study area of Information Technology, please refer to:

www.usq.edu.au/handbook

Program structure

COURSES TO BE STUDIED	UNITS
Core courses	8
<i>plus</i> 1 x 8-unit Major	8
<i>plus</i> 1 x 8-unit second Major	8
<i>or</i> 2 x 4-unit Minors	
<i>or</i> 1 x 4-unit Minor <i>plus</i> 4 x Electives	
TOTAL	24

CORE COURSES

ACC1101	Accounting for Decision-Making
CIS1000	Information Systems Concepts
ECO1000	Economics
LAW1101	Introduction to Law
MGT1000	Organisational Behaviour
MKT1001	Introduction to Marketing
STA2300	Data Analysis
FIN1101	Introduction to Corporate Finance
<i>or</i> POL1000	Government, Business and Society

INFORMATION TECHNOLOGY MANAGEMENT

CIS1101	Business Online
CIS2000	Systems Analysis and Design
CIS2002	Database Design and Implementation
CIS2005	Principles of Information Security
CIS3002	Business Analysis
CIS3008	Information Technology Service Management
CIS3009	Enterprise Systems in Practice
BUS3000	Work Integrated Learning
<i>or</i> CIS3011	Information Systems Project

Professional accreditation

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

Bachelor of Commerce

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

Mode of study On-campus, distance education

Campus Toowoomba, Springfield, Fraser Coast

Entry requirements Year 12 English or equivalent

NOTE

The Information Technology Management major is not available on-campus at Springfield and Fraser Coast.

Program focus

INFORMATION TECHNOLOGY MANAGEMENT

The Information Technology Management major is highly focused on Information Systems (IS) as a key strategic enabler of business success and teaches you how to leverage IS to identify and solve business problems. The major serves as a pathway into a variety of rapidly emerging IS career paths where business skills, for example communication, problem-solving and teamwork, are most important. When taken as a secondary major with the Accounting major, you will be prepared for a career as a system accountant, business analyst or an information systems auditor. As an Information Technology Management student, you will develop skills in electronic commerce, systems analysis, database design and implementation, security, business intelligence and enterprise resource planning systems. You will study leading-edge business packages and tools, such as Oracle, SAS and SAP, and will be provided with the opportunity to pursue professional certification in the use of a number of these systems.

Career opportunities

As a graduate, your career opportunities may include: auditor, business analyst, systems analyst, data architect, business process/data modeller, enterprise resource planning (ERP) analyst, change manager, business process engineer, IT project manager, consultant, business continuity (BCM) specialist and IT security specialist.

OTHER MAJORS

For details of other majors within this program outside of the study area of Information Technology, please refer to:

www.usq.edu.au/handbook

Program structure

COURSES TO BE STUDIED		UNITS
Core courses		8
<i>plus</i>	1 x 8-unit Major	8
<i>plus</i>	1 x 8-unit second Major	8
<i>or</i>	2 x 4-unit Minors	
<i>or</i>	1 x 4-unit Minor <i>plus</i> 4 x Electives	
TOTAL		24

CORE COURSES

ACC1101	Accounting for Decision-Making
CIS1000	Information Systems Concepts
ECO1000	Economics
FIN1101	Introduction to Corporate Finance
LAW1101	Introduction to Law
MGT1000	Organisational Behaviour
STA2300	Data Analysis
MKT1001	Introduction to Marketing
<i>or</i>	POL1000 Government, Business and Society

INFORMATION TECHNOLOGY MANAGEMENT

CIS1101	Business Online
CIS2000	Systems Analysis and Design
CIS2002	Database Design and Implementation
CIS2005	Principles of Information Security
CIS3002	Business Analysis
CIS3009	Enterprise Systems in Practice
FIN3103	Business Data Forensics
BUS3000	Work Integrated Learning
<i>or</i>	CIS3011 Information Systems Project

Bachelor of Creative Arts

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

Mode of study On-campus¹

Campus Toowoomba

Entry requirements Year 12 English (4 SA) or equivalent

Entry will also require an interview or audition, depending on the major. Full details and the application form are available at: www.usq.edu.au/arts/students/apply/auditions

Program focus

CREATIVE MEDIA (MULTIMEDIA)

This major combines new media technologies with creative arts to ensure that when you graduate you are ready to step into the media industry of the 21st century. Creative Media provides a unique opportunity for new media artists and producers interested in exploring the potential of stories within a new technology and media world. This major focuses on providing a creative environment for those interested in the artistic use of computer driven digital technologies, conceptualising, designing and applying self-generated projects sustained upon a firm technological base and professional application.

You will get the opportunity to work in the field, television studio, sound studios, and design and computer labs to release your projects. To ensure that you are a fully rounded media-savvy graduate, you also have the opportunity to undertake a major in Multimedia coupled with courses from Creative Media.

You will also get to study a unique combination of courses in Digital Sound, Image and Visual Technologies, Design, Creative Writing and Multimedia. The first and second years are dedicated to the development of your own creativity and the acquisition of applied expertise in vision, sound, and multimedia technologies. The third year will focus on original projects, enabling you to apply industry standards to ensure your professional success.

Creative Media (incorporating Multimedia) is designed to reflect the diversity of inter-disciplinary knowledge and practices to ensure you graduate with the skills necessary to facilitate and lead the development of a wide range of multimedia products within the media, film, arts, information technology, educational and games sectors. It also aims to enhance this practical skill and knowledge with a strong contextual foundation, supported by studies in new media and arts theory.

Career opportunities

As a graduate, you may find that career opportunities will exist in media/entertainment industries, television production, animation, video and sound production, web development, computer games, communication professions, education.

OTHER MAJORS

Other majors within this program outside of the study area of Information Technology are: Music, Theatre, and Visual Arts. For detailed information, please refer to:

www.usq.edu.au/handbook

Program structure

COURSES TO BE STUDIED	UNITS
Core course	1
<i>plus</i> 1 x 16-unit Major	16
<i>plus</i> 1 x 4-unit Minor	4
<i>plus</i> 3 x Electives	3
TOTAL	24

CORE COURSES

CMS1000 Communication and Scholarship

CREATIVE MEDIA (MULTIMEDIA)

BCA3000	BCA Project A
BCA3001	BCA Project B
CIS3001	Object-Oriented Programming with Java
CSC1401	Foundation Programming
CSC2408	Software Development Tools
CSC3412	System and Security Administration
MEA1000	Elements of Multimedia
MEA1002	Creative Editing
MEA2000	Scriptwriting
MEA2003	Through the Lens
MEA2004	Animation
MEA2005	2D and 3D Modelling
MEA2006	Sound and Mix
MEA3001	Digital Art Studio
VSA1021	Art and Design
CSC2406	Web Technology
	<i>or</i> CSC3419 XML and the Web

¹ Some courses are available via distance education.

Associate Degree of Engineering

Duration 2 years full-time, 4 years part-time

Mode of study On-campus, distance education

Campus Toowoomba, Springfield¹

Entry requirements Year 12 English (4 SA) or equivalent

It is recommended that applicants should also have satisfactorily completed the subject: Mathematics B (Mathematics A is assumed)

Program articulation To: Bachelor of Engineering Technology; Bachelor of Engineering

Program focus

COMPUTER SYSTEMS ENGINEERING

This major will prepare you for a career as an engineering officer. You will learn to apply practical analysis and technical principles to the areas of design and development of computer systems, including both hardware and software.

Career opportunities

As a graduate of this major, you can expect careers in engineering applications of expert systems, hardware interfacing, computer sales, computer engineering technologist, computer manufacturing and computer systems officer.

OTHER MAJORS

Other majors within this program outside of the study area of Information Technology are: Agricultural Engineering, Civil Engineering, Electrical and Electronic Engineering, Environmental Engineering, Mechanical Engineering, Power Engineering, Process Engineering. For more detailed information, please refer to: www.usq.edu.au/handbook

Program structure

COURSES TO BE STUDIED	UNITS
1 x 16-unit Major	16
<i>plus</i> 5 x Practice courses (0 units value)	
TOTAL	16

COMPUTER SYSTEMS ENGINEERING

Year 1

CSC1401	Foundation Programming
ELE1301	Computer Engineering
ELE1502	Electronic Circuits
ELE1801	Electrical Technology
ENG1002	Introduction to Engineering and Spatial Science Applications
ENG1101	Introduction to Engineering Problem Solving
ENG1500	Engineering Fundamentals ¹
ENG2102	Engineering Problem Solving and Analysis

Year 2

CSC2402	Object-Oriented Programming in C++
ELE2101	Control and Instrumentation
ELE2303	Embedded Systems Design
ELE2501	Electronic Workshop and Production
ENG1100	Introduction to Engineering Design
MAT1101	Discrete Mathematics for Computing
Two Electives – see Electives	

Electives

Select **two** from the following:

CSC2401	Algorithms and Data Structures
CSC2404	Operating Systems
CSC2408	Software Development Tools
ELE2503	Electronic Systems
ELE2601	Telecommunications Principles
ELE3305	Computer Systems and Communications Protocols
ELE3307	Real Time Systems
ENG2002	Technology, Sustainability and Society
ENG3003	Engineering Management

Practice courses

ELE1911	Electrical and Electronic Practice A
ELE2912	Electrical and Electronic Practice B
ENG1901	Engineering Practice 1
ENG2909	Work Experience – Associate
ENG2911	AD Capstone Project

¹ Students who achieve a high level in Year 12 Mathematics, or an equivalent mathematics program, may be eligible to replace the study of ENG1500 Engineering Fundamentals with MAT1500 Engineering Mathematics 1.

■ Bachelor of Engineering Technology

Duration	3 years full-time, 6 years part-time
Mode of study	On-campus, distance education
Campus	Toowoomba, Springfield
Entry requirements	Year 12 English (4 SA) and Mathematics B (4 SA) or equivalent
Program articulation	From: Associate Degree of Engineering; To: Bachelor of Engineering

Program focus

COMPUTER SYSTEMS ENGINEERING

When you study this major, you will learn to apply practical analysis and technical principles to the design and development of computer systems, including both hardware and software. Throughout your learning journey, advanced studies will be undertaken in management, computer systems and communications, programming, telecommunications, operating systems, real-time systems and electronic systems.

Career opportunities

As a graduate, your career opportunities may include: engineering applications of expert systems, hardware interfacing computer sales, computer engineering technologist, computer manufacturing and computer systems officers.

MAJORS

Other majors within this program outside of the study area of Information Technology are: Agricultural Engineering, Civil Engineering, Electrical and Electronic Engineering, Environmental Engineering, Infrastructure Management, Mechanical Engineering, and Power Engineering. For more detailed information, please refer to:

www.usq.edu.au/handbook

Program structure

COURSES TO BE STUDIED	UNITS
1 x Major	24
<i>plus</i> 5 x Practice courses (0 units value)	
TOTAL	24

COMPUTER SYSTEMS ENGINEERING

Year 1

CSC1401	Foundation Programming
ELE1301	Computer Engineering
ELE1502	Electronic Circuits
ELE1801	Electrical Technology
ENG1002	Introduction to Engineering and Spatial Science Applications
ENG1101	Introduction to Engineering Problem Solving
ENG2102	Engineering Problem Solving and Analysis
MAT1500	Engineering Mathematics 1

Year 2

CSC2401	Algorithms and Data Structures
ELE2101	Control and Instrumentation ¹
ELE2303	Embedded Systems Design
ELE2501	Electronic Workshop and Production ¹
ENG1100	Introduction to Engineering Design
ENG2002	Technology, Sustainability and Society
MAT1101	Discrete Mathematics for Computing
One Elective – see Electives ¹	

Year 3

CSC2402	Object-Oriented Programming in C++
CSC2404	Operating Systems
ELE2503	Electronic Systems ¹
ELE2601	Telecommunications Principles
ELE3305	Computer Systems and Communications Protocols
ELE3307	Real Time Systems
ENG3003	Engineering Management
ENG3111	Technology Design Project

Practice courses

ELE1911	Electrical and Electronic Practice A
ELE2912	Electrical and Electronic Practice B
ELE3913	Computer Systems Engineering Practice
ELE3916	Software Engineering Team Practice ¹
ENG1901	Engineering Practice 1 ²
ENG3909	Work Experience – Technologist

Electives

CSC2408	Software Development Tools
ELE2103	Linear Systems and Control
ENG4004	Engineering Project and Operations Management
MAT1502	Engineering Mathematics 2

- ¹ This is a pathway to the Bachelor of Engineering course. Please refer to Other Information – Engineering Pathways at the beginning of this program section.
- ² Students who have a trade certificate and who have been employed in the engineering industry for some time may be able to claim exemption from the course.

Bachelor of Engineering

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) and Mathematics B (4 SA) or equivalent; Year 12 Physics (4 SA) is also recommended

Program articulation From: Associate Degree of Engineering; Bachelor of Engineering Technology

Program focus

COMPUTER SYSTEMS ENGINEERING

This major will help you understand the analysis, design and development of computer systems, including both hardware and software. You will find that this program is based on electrical engineering and computer science and, as such, has a considerable overlap with the Electrical and Electronic major. Essentially the same treatment of electronics, control and communication systems is common to both, but the Computer Systems major treats computer and micro-processor hardware and software in much greater detail.

Career opportunities

As a graduate from this major, your career opportunities may include: engineering applications of expert systems, hardware interfacing computer sales, computer engineering technologist, computer manufacturing and computer systems officer.

OTHER MAJORS

Other majors within this program outside of the study area of Information Technology are: Agricultural Engineering, Civil Engineering, Electrical and Electronic Engineering, Environmental Engineering, Instrumentation and Control Engineering, Mechanical Engineering, Mechatronic Engineering, Power Engineering. For more detailed information, please refer to: www.usq.edu.au/handbook

Program structure

COURSES TO BE STUDIED	UNITS
1 x Major	32
<i>plus</i> 8 x Practice courses (0 units value)	
TOTAL	32

COMPUTER SYSTEMS ENGINEERING

Year 1

CSC1401	Foundation Programming
ELE1301	Computer Engineering
ELE1502	Electronic Circuits
ELE1801	Electrical Technology
ENG1002	Introduction to Engineering and Spatial Science Applications
ENG1101	Introduction to Engineering Problem Solving
ENG2102	Engineering Problem Solving and Analysis
MAT1500	Engineering Mathematics 1

Year 2

CSC2402	Object-Oriented Programming in C++
ELE2103	Linear Systems and Control
ELE2303	Embedded Systems Design
ENG1100	Introduction to Engineering Design
ENG3103	Engineering Problem Solving Computations
MAT1101	Discrete Mathematics for Computing
MAT1502	Engineering Mathematics 2
MAT2500	Engineering Mathematics 3

Year 3

ELE2504	Electronic Design and Analysis
ELE2601	Telecommunications Principles
ELE3105	Computer Controlled Systems
ELE3107	Signal Processing
ELE3305	Computer Systems and Communications Protocols
ELE3307	Real Time Systems
ENG2002	Technology, Sustainability and Society
ENG4104	Engineering Problem Solving Simulations

Year 4

CSC2401	Algorithms and Data Structures
CSC2404	Operating Systems
CSC2408	Software Development Tools
ENG3003	Engineering Management
ENG4004	Engineering Project and Operations Management
ENG4111	Research Project Part 1
ENG4112	Research Project Part 2
One Elective – see Electives	

Practice courses

ELE1911	Electrical and Electronic Practice A
ELE2912	Electrical and Electronic Practice B
ELE3913	Computer Systems Engineering Practice
ELE3915	Electrical and Electronic Practice E
ENG1901	Engineering Practice 1
ENG3902	Professional Practice 1
ENG4903	Professional Practice 2 ¹
ENG4909	Work Experience – Professional

Electives

CSC3406	Computer Graphics
ELE3401	Software Engineering Design Principles
ELE3506	Electronic Measurement
ELE4402	Software Engineering Project Management
ELE4607	Advanced Digital Communications ²
ENG8001	Engineering and Surveying Research Methodology
MEC4406	Robotics and Machine Vision

Professional accreditation

A graduate of this program is eligible to apply for membership of Engineers Australia as a graduate professional 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.

¹ Students need to enrol in ENG4909 Work Experience – Professional to record their relevant work experience.

² Offered even years only.

■ Bachelor of Information Technology

Duration	3 years full-time, up to 6 years part-time
Mode of study	On-campus, distance education
Campus	Toowoomba
Entry requirements	Year 12 English (4 SA) or equivalent
Recommended study	Applied Computer Science, and Networking and Security majors: Mathematics A (4 SA) or equivalent is also recommended

Program focus

APPLIED COMPUTER SCIENCE

As a graduate from the Applied Computer Science major, you will be equipped with fundamental skills in computer science, applied to the domain of modern web applications and services. You will become well-prepared to solve generic problems in the broad area of computing. You will be ideally placed to design and implement software systems, database structures and applications, and web services and interfaces.

Achievement of the objectives will allow you to be a graduate of high academic and scientific standard, who is capable of competing for employment in a professional area and pursuing career development in government institutions and IT industries.

Career opportunities

As a graduate, your career opportunities may include: computer programmer, systems analyst, software developer, project leader, web application developer, web services specialist, IT manager, database administrator, database designer.

INFORMATION SYSTEMS DEVELOPMENT

The Information Systems Development major provides you with a gateway to a wide range of dynamic careers in information technology. As a graduate, you will find yourself to be highly versatile and adaptable and adept at addressing technical and business issues. The major incorporates a significant analysis and design component and remains firmly based within a business context while fostering an understanding of the broader architecture of information systems and the principles of modern software engineering practice. You will be optimally placed to succeed in the vast array of IT careers on offer, ranging from highly technical roles, such as enterprise architect, to roles focused on business processes. You will achieve a deep understanding of IT infrastructure via detailed study of the .NET framework and Java development environments and network management in tandem with a one-year database sequence. The database sequence provides those interested with the opportunity to pursue two Oracle certifications.

Career opportunities

As a graduate, your career opportunities may include: business information systems developer, business applications designer, enterprise architect, information systems developer, database administrator, database designer.

INFORMATION TECHNOLOGY MANAGEMENT

The Information Technology Management major is highly focused on Information Systems (IS) as a key strategic enabler of business success, and teaches you how to leverage IS to identify and solve business problems. The major serves as a pathway into a variety of rapidly emerging IS career paths where business skills, for example communication, problem-solving and teamwork, are most important. As an Information Technology Management student, you will develop skills in electronic commerce, systems analysis, database design and implementation, security, network management, service management and enterprise resource systems. In this major, you will study leading-edge business packages and tools, such as Oracle, SAP and ISO20000, and will be provided with the opportunity to pursue professional certification in a number of these areas.

Career opportunities

As a graduate, your career opportunities may include: business analyst, systems analyst, data architect, business process/data modeller, enterprise resource planning (ERP) analyst, computer trainer/support, help desk support, IT manager, IT sales and marketing specialist, change manager, business process engineer, IT project manager, consultant, business continuity (BCM) specialist, IT security specialist, service management.

NETWORKING AND SECURITY

The Networking and Security major equips you with state-of-the-art skills in network design, network management, security and system development and administration. You will be familiar with problem solving in computer networks, VoIP, video conferencing, network services administration, and will be aided in developing the professional skills to apply them in the communication sector, healthcare, government institutions, and IT firms.

Achievement of the objectives will result in you graduating with a high academic and scientific standard, capable of competing for employment in a professional area and pursuing career development in IT industries and government institutions.

Career opportunities

As a graduate, you can expect a career as a: systems administrator, systems analyst, web administrator, network analyst, network designer, network administrator, database administrator, database designer.

Program structure

COURSES TO BE STUDIED	UNITS
Core courses	8
<i>plus</i> 1 x Major	8
<i>plus</i> 1 x Second Major	8
<i>or</i> 2 x 4-unit Minors ¹	
<i>or</i> 1 x 4-unit Minor ¹ <i>plus</i> 4 x Electives	
<i>or</i> 8 x Electives ²	
TOTAL	24

CORE COURSES

CIS1000	Information Systems Concepts
CIS3002	Business Analysis
CMS1000	Communication and Scholarship
CSC1401	Foundation Programming
CSC2407	Introduction to Software Engineering
<i>plus three</i> from the following: ³	
ACC1101	Accounting for Decision-Making
CSC2401	Algorithms and Data Structures
CSC2406	Web Technology
ECO1000	Economics
ELE1301	Computer Engineering
FIN1101	Introduction to Corporate Finance
LAW1101	Introduction to Law
MAT1100	Foundation Mathematics
MAT1101	Discrete Mathematics for Computing
MGT1000	Organisational Behaviour
MKT1001	Introduction to Marketing
POL1000	Government, Business and Society
STA2300	Data Analysis

MAJOR COURSES

Applied Computer Science

CSC2401	Algorithms and Data Structures
CSC2402	Object-Oriented Programming in C++
CSC2404	Operating Systems
CSC2408	Software Development Tools
CSC3400	Database Systems
CSC3403	Comparative Programming Languages
CSC3412	System and Security Administration
CSC3419	XML and the Web

Information Systems Development

CIS1101	Business Online
CIS2000	Systems Analysis and Design
CIS2002	Database Design and Implementation
CIS2003	Component Based Software Development
CIS3001	Object-Oriented Programming with Java
CIS3003	Networks and Distributed Systems
CIS3007	Enterprise Systems Development and Architecture
CIS3010	Oracle Development

Information Technology Management

CIS1101	Business Online
CIS2000	Systems Analysis and Design
CIS2002	Database Design and Implementation
CIS2005	Principles of Information Security
CIS3003	Networks and Distributed Systems
CIS3008	Information Technology Service Management
CIS3009	Enterprise Systems in Practice
CIS3011	Information Systems Project
	<i>or</i> BUS3000 Work Integrated Learning

Networking and Security

CSC2404	Operating Systems
CSC2408	Software Development Tools
CSC3400	Database Systems
CSC3407	Network Fundamentals and Routing
CSC3412	System and Security Administration
CSC3413	Network Design and Analysis
CSC3420	Mobile Internet Technology
CSC3427	Switching, Wireless and WAN Technologies

Professional accreditation

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

- 1 Students who wish to take a minor study not listed in the recommended minors must obtain permission from the Program Coordinator.
- 2 Students not completing a double major must select four units of elective courses from courses offered at undergraduate level from Faculty of Business and Law or Faculty of Sciences undergraduate programs or, with the approval of the Program Coordinator, from undergraduate programs offered by other faculties at the University of Southern Queensland. Prerequisite enrolment requirements must be satisfied for any course selected. CSC1402 Foundation Computing will not be approved as an elective.
- 3 Students taking the Applied Computer Science or Networking and Security major must take MAT1101 and CSC2406 as two of the three courses.

I chose USQ for its reputation in delivering excellent distance education programs. During my studies, I formed some great relationships with a number of my lecturers and continue to stay in contact with them. One of my lecturers was also a female programmer, and she has been an incredible inspiration and role model for me. The biggest positive for me about my USQ experience was definitely the support from both the lecturers and the staff.

REBECCA DWYER

IT GRADUATE



■ Bachelor of Science

Duration 3 years full-time, up to 9 years part-time

Mode of study On-campus, distance education

Campus Toowoomba

Entry requirements Year 12 English (4 SA) or equivalent

Recommended study Information Technology and Computing majors: Mathematics A (4 SA) or Mathematics B (4 SA) or equivalent is also recommended

Program focus

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

Graduates 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, systems development coordinator, computer educator, commercial application developer.

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 is 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.

OTHER MAJORS

Other majors within this program outside of the study area of Information Technology are: Human Biology, Mathematics and Statistics, Psychology, Biology, Human Physiology, Mathematics, Environment and Sustainability and Physical Sciences. For more detailed information, please refer to: www.usq.edu.au/handbook



Program structure

COURSES TO BE STUDIED	UNITS
Core courses	4
<i>plus</i> 1 x 12-unit Major	20
<i>plus</i> 1 x 8-unit Major	
<i>or</i> 1 x 4-unit Minor <i>plus</i> 4 x units of Electives	
<i>or</i> 8 units of Electives	
<i>or</i> 1 x 8-unit Major	
<i>plus</i> 1 x second 8-unit Major <i>plus</i> 4 x units of Electives	
<i>or</i> 12 x units of Electives	
TOTAL	24

NOTE

Majors, minors and electives may be chosen from any defined for the Bachelor of Science, or as approved by the Program Coordinator, but students cannot take both Information Technology and Computing majors at the same time.

CORE COURSES

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

MAJOR COURSES

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
<i>plus seven</i> from the following: ¹	
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

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
<i>plus three</i> 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

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.

¹ At least three must be level 3 courses e.g. CSC3xxx.

Double degree programs

Bachelor of Business and Bachelor of Information Technology

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
Recommended study	Applied Computer Science, and Networking and Security majors: Mathematics A (4 SA) or equivalent is also recommended

Program focus

This double degree provides you with the opportunity to expand your knowledge in both business and information technology fields. You will need to select a major from the Bachelor of Business and a major from the Bachelor of Information Technology.

Business majors include:

- Administrative Management
- Human Resource Management
- Information Technology Management
- International Business
- Management and Leadership
- Marketing
- Supply Chain Management
- Tourism Management.

Information Technology majors include:

- Applied Computer Science
- Information Systems Development
- Information Technology Management
- Networking and Security.

CAREER OPPORTUNITIES

The double degree provides you with a wide range of employment opportunities, including: administrative manager, personnel officer, supply and materials manager, product/brand manager, events coordinator, IS developer, IT manager.

Program structure

COURSES TO BE STUDIED	UNITS
Core courses	12
<i>plus</i> 1 x Business Major	8
<i>plus</i> 1 x Information Technology Major	8
<i>plus</i> 1 x 4-unit Minor ¹	4
<i>or</i> 4 x Electives	
TOTAL	32

CORE COURSES

ACC1101	Accounting for Decision-Making
CIS1000	Information Systems Concepts
CIS3002	Business Analysis
CMS1000	Communication and Scholarship
CSC1401	Foundation Programming
CSC2407	Introduction to Software Engineering
ECO1000	Economics
LAW1101	Introduction to Law
MGT1000	Organisational Behaviour
MKT1001	Introduction to Marketing
STA2300	Data Analysis
FIN1101	Introduction to Corporate Finance
	<i>or</i> POL1000 Government, Business and Society

BUSINESS COURSES

Administrative Management

MGT1001	Foundations of Human Resource Management
MGT1200	Business Communication
MGT2203	Project Management Fundamentals
MGT2204	Business Ethics and Governance
MGT3200	Information Management
MGT3201	Organisational Administration
MKT3002	Business Strategy in a Global Environment
<i>plus one</i> from the following:	
BUS3000	Work Integrated Learning
CIS3008	Information Technology Service Management
MKT3001	Applied Business Research
MKT3006	Small and Medium Enterprise Development

Human Resource Management

MGT1001	Foundations of Human Resource Management
MGT2000	Staffing and Remuneration
MGT2001	Management of Workplace Health and Safety
MGT2002	Managing Organisations
MGT2004	People Development
MGT2006	Employment Relations
MGT3003	Human Resource Performance Management
BUS3000	Work Integrated Learning
	<i>or</i> MGT3002 Leading Organisational Change

Information Technology Management

CIS1101	Business Online
CIS2000	Systems Analysis and Design
CIS2002	Database Design and Implementation
CIS2005	Principles of Information Security
CIS3002	Business Analysis
CIS3008	Information Technology Service Management
CIS3009	Enterprise Systems in Practice
BUS3000	Work Integrated Learning
	<i>or</i> CIS3011 Information Systems Project

International Business

INR1000	International Relations in a Globalizing Era
MGT2060	International Business Environment and Operations
MGT3001	Global Management
MKT2002	Global Marketing
MKT3002	Business Strategy in a Global Environment
POL2001	Politics and International Business

plus two from the following:

BUS3000	Work Integrated Learning
FIN3106	International Finance
INR2002	Contemporary Issues in Asia
INR3000	Australian Foreign Relations
INR3004	Change in Contemporary China

1–2 language courses other than English²

Management and Leadership

MGT2002	Managing Organisations
MGT2007	Leadership
MGT2008	Managing Knowledge
MGT3001	Global Management
MGT3002	Leading Organisational Change
MGT3003	Human Resource Performance Management
MKT3002	Business Strategy in a Global Environment
BUS3000	Work Integrated Learning
or	MGT3004 Creativity, Innovation and Entrepreneurship

Marketing

MKT1002	Consumer Behaviour
MKT2001	Promotion Management
MKT2002	Global Marketing
MKT2004	Marketing Channels
MKT2012	Services Marketing
MKT3001	Applied Business Research
MKT3007	Marketing Strategy

plus one from the following:

BUS3000	Work Integrated Learning
MKT2020	Sports Marketing
MKT3006	Small and Medium Enterprise Development

Supply Chain Management

MGT2103	Business Logistics
MGT2104	Supply Chain Design
MGT2203	Project Management Fundamentals
MGT3100	Quality and Performance Management
MKT2004	Marketing Channels
MKT3001	Applied Business Research
MKT3002	Business Strategy in a Global Environment

plus one from the following:

BUS3000	Work Integrated Learning
MGT3001	Global Management
MKT2002	Global Marketing

Tourism Management

MGT3001	Global Management
MKT2012	Services Marketing
TOU1003	Tourism Management
TOU2008	Ecotourism
TOU2009	Cultural Tourism
TOU3010	Event Management

plus two from the following:

BUS3000	Work Integrated Learning
MKT3001	Applied Business Research
MKT3006	Small and Medium Enterprise Development
MKT3007	Marketing Strategy

Information Technology courses

Please refer to the Applied Computer Science major, Information Systems Development major and Networking and Security major courses under Bachelor of Information Technology on page 9.

Professional accreditation

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

The Human Resource Management major will satisfy the academic requirements for membership of the Australian Human Resources Institute.

¹ For a list of appropriate minor studies, please visit:

www.usq.edu.au/handbook

² Subject to the approval of the Director of Undergraduate Studies.

Bachelor of Commerce and Bachelor of Information Technology

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
Recommended study	Applied Computer Science, and Networking and Security majors: Mathematics A (4 SA) or equivalent is also recommended.

Program focus

This double degree provides you with the opportunity to expand your knowledge in both commerce and information technology fields. You must select a major from The Bachelor of Commerce and a major from The Bachelor of Information Technology, with considerable flexibility regarding the remainder of the program.

Commerce majors include:

- Accounting
- Business Law
- Finance
- General Commerce
- Information Technology Management
- Sustainable Business
- Sustainable Economics and Policy.

Information Technology majors include:

- Applied Computer Science
- Information Systems Development
- Information Technology Management
- Networking and Security.

CAREER OPPORTUNITIES

The double degree provides you with a wide range of employment opportunities, including: financial analyst, financial planner, investment banker, financial accountant, forensic accountant, stockbroker, small business manager, IS developer, IT manager and IT auditor.

Program structure

COURSES TO BE STUDIED	UNITS
Core courses	12
<i>plus</i> 1 x Commerce Major	8
<i>plus</i> 1 x Information Technology Major	8
<i>plus</i> 1 x 4-unit Minor <i>or</i> 4 x Electives	4
TOTAL	32

CORE COURSES

ACC1101	Accounting for Decision-Making
CIS1000	Information Systems Concepts
CIS3002	Business Analysis
CMS1000	Communication and Scholarship
CSC1401	Foundation Programming
CSC2407	Introduction to Software Engineering
ECO1000	Economics
FIN1101	Introduction to Corporate Finance
LAW1101	Introduction to Law
MGT1000	Organisational Behaviour
STA2300	Data Analysis
MKT1001	Introduction to Marketing
<i>or</i> POL1000	Government, Business and Society

COMMERCE COURSES

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
LAW3110	Insolvency and Restructuring Law
LAW3130	Revenue Law and Practice
LAW3131	Revenue Law and Practice II

plus one from the following:

BUS3000	Work Integrated Learning
MGT2204	Business Ethics and Governance
MGT3001	Global Management
POL2001	Politics and International Business

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
<i>or</i> FIN2106	Personal Financial Planning

General Commerce

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

Information Technology Management

CIS1101	Business Online
CIS2000	Systems Analysis and Design
CIS2002	Database Design and Implementation
CIS2005	Principles of Information Security
CIS3002	Business Analysis
CIS3009	Enterprise Systems in Practice
FIN3103	Business Data Forensics
BUS3000	Work Integrated Learning
	<i>or</i> CIS3011 Information Systems Project

Sustainable Business

ECO3030	Sustainable Economies
LAW2107	Environmental Law
REN1201	Environmental Studies
REN3301	Biodiversity and Conservation
REN3302	Sustainable Resource Use
<i>plus three</i> 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
CMS3001	Global Conflict Communication
MGT2002	Managing Organisations
MGT2008	Managing Knowledge
MGT3001	Global Management
MGT3002	Leading Organisational Change
POL3013	Sustainability and Politics
TOU2008	Ecotourism
	<i>or</i> 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
ECO3002	Economic Policy Analysis
ECO3030	Sustainable Economies
POL2000	Political and Economic Ideas
POL2001	Politics and International Business
POL3013	Sustainability and Politics
REN1201	Environmental Studies

Information Technology courses

Please refer to the Information Technology major courses under the Bachelor of Information Technology on page 9.

Professional accreditation

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

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.

Accounting major students who complete a Finance minor will meet the educational entrance requirements of the Financial Services Institute of Australasia (Finsia).

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

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.

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, Year 12 Mathematics A or Mathematics B or equivalent

Program focus

In studying the Bachelor of Arts and Bachelor of Science, you will complete two majors from the Bachelor of Arts and one eight-course major from the Bachelor of Science.

CAREER OPPORTUNITIES

Graduates from this program 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

CIS1000	Information Systems Concepts
CMS1000	Communication and Scholarship
STA2300	Data Analysis
CSC1401	Foundation Programming

ARTS COURSES

Due to the large number of combinations of Bachelor of Arts majors available, separate course listings are not printed in this brochure. Only one Arts program includes studies in the Information Technology discipline, the Bachelor of Creative Arts majoring in Creative Media (Multimedia) on page 5 of this brochure. For courses offered within each major for the remaining Arts programs, it is recommended that you refer to the Bachelor of Arts program in the USQ Handbook at: www.usq.edu.au/handbook

SCIENCE MAJOR

Due to the large number of combinations of Bachelor of Science majors available, separate course listings are not printed in this brochure. Science programs which include studies in the Information Technology discipline include the Bachelor of Information Technology (page 9) and the Bachelor of Science (page 12), majoring in either Information Technology or Computing. For courses offered within each major for the remaining Science programs, it is recommended that you refer to the Bachelor of Science program in the USQ Handbook at: www.usq.edu.au/handbook

Professional accreditation

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.

■ Bachelor of Engineering and Bachelor of Information Technology

Duration 5 years full-time, 8 years part-time¹

Mode of study On-campus, distance education

Campus Toowoomba

Entry requirements Year 12 English (4 SA) and Mathematics B (4 SA) or equivalent; Year 12 Physics (4 SA) is also recommended

Program articulation From: Associate Degree of Engineering; Bachelor of Engineering Technology; Bachelor of Engineering

Program focus

This combined degree program will provide you with the knowledge and skills required to design, develop and implement both the hardware and software components of computer systems. The program combines computer systems engineering with applied computer science. If you are a high-achieving student, this award may be conferred with honours.

CAREER OPPORTUNITIES

As a graduate, you can expect a career as a computer programmer, software/hardware engineer, computer scientist, systems designer and computer systems officer.

Program structure

COURSES TO BE STUDIED	UNITS
Core courses	38
<i>plus</i> 2 x Electives	2
<i>plus</i> 7 x Practice courses (0 units value)	
TOTAL	40

Year 1

CSC1401	Foundation Programming
ELE1301	Computer Engineering
ELE1502	Electronic Circuits
ELE1801	Electrical Technology
ENG1002	Introduction to Engineering and Spatial Science Applications
ENG1101	Introduction to Engineering Problem Solving
ENG2102	Engineering Problem Solving and Analysis
MAT1500	Engineering Mathematics 1

Year 2

CSC2402	Object-Oriented Programming in C++
ELE2103	Linear Systems and Control
ELE2303	Embedded Systems Design
ENG1100	Introduction to Engineering Design
ENG3103	Engineering Problem Solving Computations
MAT1101	Discrete Mathematics for Computing
MAT1502	Engineering Mathematics 2
MAT2500	Engineering Mathematics 3

Year 3

ELE2504	Electronic Design and Analysis
ELE2601	Telecommunications Principles
ELE3105	Computer Controlled Systems
ELE3107	Signal Processing
ELE3305	Computer Systems and Communications Protocols
ELE3307	Real Time Systems
ENG2002	Technology, Sustainability and Society
ENG4104	Engineering Problem Solving Simulations

Year 4

CIS3002	Business Analysis
CSC2401	Algorithms and Data Structures
CSC2404	Operating Systems
CSC2406	Web Technology
CSC2407	Introduction to Software Engineering
CSC2408	Software Development Tools
CSC3412	System and Security Administration
One Elective – see Electives	

Year 5

CSC3400	Database Systems
CSC3403	Comparative Programming Languages
CSC3419	XML and the Web
ENG3003	Engineering Management
ENG4004	Engineering Project and Operations Management
ENG4111	Research Project Part 1
ENG4112	Research Project Part 2
One Elective – see Electives	

Electives

Select **two** from the following:

CSC3412	System and Security Administration
ELE3401	Software Engineering Design Principles
ELE4402	Software Engineering Project Management
ELE3506	Electronic Measurement
ELE4607	Advanced Digital Communications ²
ENG8001	Engineering and Surveying Research Methodology
MEC4406	Robotics and Machine Vision

Practice courses

ELE1911	Electrical and Electronic Practice A
ELE2912	Electrical and Electronic Practice B
ELE3913	Computer Systems Engineering Practice
ELE3915	Electrical and Electronic Practice E
ENG1901	Engineering Practice 1
ENG3902	Professional Practice 1
ENG4903	Professional Practice 2
ENG4909	Work Experience – Professional

- 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. This is necessary to ensure that these students are able to complete the program within the maximum duration of eight years. Contact the Faculty of Engineering and Surveying for details: engsurv@usq.edu.au
- Offered in even-numbered years only (for example 2012, 2014).

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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