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Handbook 2023

Information Technology

The University of Southern Queensland

Postal address:
The University of Southern Queensland
Toowoomba QLD 4350
Australia

Telephone + 61 7 4631 2100

www.unisq.edu.au

ABN: 40 234 732 081

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Programs

Undergraduate programs

Undergraduate Certificate of Computing/Information Technology (UCCC) - UCertCompIT

	Online
Start:	Semester 1 (February) Semester 2 (July)
Fees:	Commonwealth supported place
Standard duration:	0.5 years full-time
Program articulation:	To: Diploma of Science; Bachelor of Information Technology

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Contact us

Future Australian and New Zealand students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Program aims

This short program teaches fundamental information systems concepts alongside foundational programming skills which are subsequently applied to web site creation and software development tools.

Program objectives

On completion of this program graduates should be able to:

- apply the concept of pseudocode to sketch solutions for problems and demonstrate problem solving through designing, debugging, implementing, documenting, testing and correcting simple computer programs
- apply standard web technologies such as HTML, CSS and Javascript to build web sites that are accessible and responsive
- competently manage computer system resources and development tools, including scripting recurring tasks
- apply information systems concepts to identify and resolve organisational problems and to develop ethical considerations within a business context
- collaborate and communicate with others effectively as part of producing individual and teambased work outcomes.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 07. Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Admission into this short program is available to eligible Commonwealth Supported applicants, who are aged 17 years or over. UniSQ assumes your knowledge is equivalent to senior high school English (Units 3 & 4, C).

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Program structure

Students must successfully complete four compulsory core courses before they are able to graduate with the Undergraduate Certificate of Computing/Information Technology.

Required time limits

Students have a maximum of one year to complete this program.

Core courses

There are three compulsory courses:

- CSC1401 Foundation Programming[£]
- CIS1000 Digital Disruption[£]
- CSC2408 Software Development Tools

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

With an option of one of two courses:

- CIS2000 Systems Analysis and Design
- CSC2406 Web Technology 1

Students aiming to complete the program in one semester will need to take CSC1401 in intensive mode.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Articulation

Successful completion of the Undergraduate Certificate of Computing/Information Technology will enable entry and up to four courses of credit towards the Diploma of Science (General Science major) and the Bachelor of Information Technology.

Recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CSC1401 Foundation Programming£					1	1,2,3	
CIS1000 Digital Disruption£					1	1,2	
CSC2408 Software Development Tools					1	1,2	Pre-requisite: CSC1401
Choose one of the two options							
CIS2000 Systems Analysis and Design					1	1,2	
CSC2406 Web Technology 1					1	2	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: UCCC or GDTI or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN or B SED

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Undergraduate Certificate of Information Systems (UCIS) -

	Online
Start:	Semester 1 (February) Semester 2 (July)
Fees:	Commonwealth supported place Domestic full fee paying place
Standard duration:	0.5 years full-time
Program articulation:	To: Diploma of Science; Bachelor of Information Technology

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Contact us

Future Australian and New Zealand student	Current students
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Program aims

The Undergraduate Certificate of Information Systems is an industry-oriented qualification focussing on assisting you to develop a broad range of skills to address both technical and business information systems issues. The certificate will provide you with an opportunity to gain an understanding of the broader architecture of information systems and the principles of computer programming and the principles of modern software engineering practice, while also developing an understanding of information system analysis and design in the business context. This certificate is ideal if you know you want a career in IT but do not want to narrow your focus too early.

Program objectives

Upon successful completion, students will be able to:

(1) apply theoretical and technical knowledge in the area of Information Systems
(2) apply problem-solving skills and use information technology for problem solving as an individual or within a team
(3) communicate clearly and coherently to present relevant knowledge and ideas to a range of audiences
(4) identify, collect, analyse and manage information for a broad range of information technology issues and challenges
(5) demonstrate an understanding of ethical standards and socially responsible information technology practices.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 07. Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Admission into this short program is available to eligible Commonwealth Support applicants, who are aged 17 years or over. UniSQ assumes your knowledge is equivalent to senior high school English (Units 3 & 4, C).

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

Program completion requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Required time limits

Students have a maximum of one year to complete this program.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Articulation

Successful completion of this qualification will enable entry and four units of credit towards the BITC Bachelor of Information Technology.

Undergraduate Certificate of Information Systems Recommended Enrolment Pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS1000 Digital Disruption£					1	2	
CIS2103 Digital Assets and Responsible Data Management	1	2			1	1, 2	
CSC1401 Foundation Programming£					1	2	
CIS2000 Systems Analysis and Design					1	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Undergraduate Certificate of Information Technology Business Analysis (UCBA) -

	Online
Start:	Semester 1 (February) Semester 2 (July)
Fees:	Commonwealth supported place Domestic full fee paying place
Standard duration:	0.5 years full-time
Program articulation:	To: Diploma of Science; Bachelor of Information Technology

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

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Program aims

The Undergraduate Certificate of Information Technology Business Analysis is an industry-oriented qualification focussing on the effective analysis, development and management of information and communication technologies in organisations. The certificate will provide you with the opportunity to develop the basic skills required to work in business analysis. It will equip you with expertise in business process management and the skills to analyse, understand and manage data. The Information Systems sector is one of the most rapidly growing industries globally and trained professionals are in high demand by organisations of all sizes.

Program objectives

Upon successful completion, students will be able to:

(1) apply theoretical and technical knowledge in the area of IT Business Analysis
(2) apply problem-solving skills and use information technology for problem-solving as an individual or within a team
(3) think critically, constructively and logically about project management principles and tools to plan project completions
(4) communicate clearly and coherently to present relevant knowledge and ideas to a range of audiences
(5) identify, collect, analyse and manage information for a broad range of information technology issues and challenges
(6) demonstrate an understanding of ethical standards and socially responsible information technology practices.

Australian Qualifications Framework

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and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 07. Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Admission into this short program is available to eligible Commonwealth Support applicants, who are aged 17 years or over. UniSQ assumes your knowledge is equivalent to senior high school English (Units 3 & 4, C).

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

Program completion requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Required time limits

Students have a maximum of one year to complete this program.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Articulation

Successful completion of this qualification will enable entry and four units of credit towards the BITC Bachelor of Information Technology.

Undergraduate Certificate of Information Technology Business Analysis Recommended Enrolment Pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS1000 Digital Disruption£					1	2	
CIS2000 Systems Analysis and Design					1	1, 2	
CIS2005 Principles of Information Security					1	1, 2	
Students to complete **one** of the following							
MGT1101 Human Capabilities for Business£	1	1, 2			1	1, 2, 3	Enrolment is not permitted in MGT1101 if MGT1000 has been previously completed.
CIS3002 Agile Methods					1	1, 2	Pre-requisite: CIS2000

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Undergraduate Certificate of Information Technology Management (UCCI) -

	Online
Start:	Semester 1 (February) Semester 2 (July)
Fees:	Commonwealth supported place Domestic full fee paying place
Standard duration:	0.5 years full-time
Program articulation:	To: Diploma of Science; Bachelor of Information Technology

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Contact us

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Program aims

The Undergraduate Certificate of Information Technology Management is an industry-oriented qualification focussing on the management of business information technology resources relevant to industry needs and priorities. The certificate will provide you with the opportunity to develop basic skills in information and security management. The emphasis of this certificate is on developing the foundational skills and knowledge to solve business problems using information technology. This certificate can be the beginning of a pathway into a variety of rapidly emerging IS career paths where business skills, for example communication, problem-solving and teamwork, are most important.

Program objectives

Upon successful completion, students will be able to:

(1) apply theoretical and technical knowledge in the area of IT Management, including security and business service management
(2) apply problem-solving skills and use information technology for problem solving as an individual or within a team
(3) communicate clearly and coherently to present relevant knowledge and ideas to a range of audiences
(4) identify, collect, analyse and manage information for a broad range of information technology issues and challenges
(5) demonstrate an understanding of ethical standards and socially responsible information technology practices.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity

of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 07. Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Admission into this short program is available to eligible Commonwealth Support applicants, who are aged 17 years or over. UniSQ assumes your knowledge is equivalent to senior high school English (Units 3 & 4, C).

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

Program completion requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Required time limits

Students have a maximum of one year to complete this program.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Articulation

Successful completion of this qualification will enable entry and four units of credit towards the BITC Bachelor of Information Technology.

Undergraduate Certificate of Information Technology Management Recommended Enrolment Pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS1000 Digital Disruption£	1	1, 2			1	1, 2	
CIS2103 Digital Assets and Responsible Data Management	1	2			1	1, 2	
CIS2005 Principles of Information Security					1	1, 2	
Students to complete **one** of the following							
MGT1101 Human Capabilities for Business£	1	1, 2			1	1, 2	Enrolment is not permitted in MGT1101 if MGT1000 has been previously completed.
CIS3009 Enterprise Systems in Practice					1	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Undergraduate Certificate of Information Technology Team Management (UCTM) -

	Online
Start:	Semester 1 (February) Semester 2 (July)
Fees:	Commonwealth supported place Domestic full fee paying place
Standard duration:	0.5 years full-time
Program articulation:	To: Diploma of Science; Bachelor of Information Technology

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Contact us

Future Australian and New Zealand student	Current students
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Program aims

The Undergraduate Certificate of IT Team Management is an industry-oriented qualification focussing on assisting you to build the basic skills required to lead and participate in the collective efforts of the IT professionals you lead. The certificate will provide you with an opportunity to explore cutting edge developments in team leadership, the practice of leading diverse and cross-functional teams and how to address specific complexities and challenges. We are living in an era of greater connectivity than before and IT professionals need to be able to work effectively in groups and teams as well as with individuals.

Program objectives

Upon successful completion of the program, students will be able to:

(1) apply theoretical and technical knowledge in the area of IT Team Management
(2) apply problem-solving skills and use information technology for problem solving as an individual or within a team
(3) think critically, constructively and logically about project management principles and tools to plan project completions
(4) communicate clearly and coherently to present relevant knowledge and ideas to a range of audiences
(5) identify, collect, analyse and manage information for a broad range of information technology issues and challenges
(6) demonstrate an understanding of ethical standards and socially responsible information technology practices.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity

of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 07. Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Admission into this short program is available to eligible Commonwealth Support applicants, who are aged 17 years or over. UniSQ assumes your knowledge is equivalent to senior high school English (Units 3 & 4, C).

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

Program completion requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Required time limits

Students have a maximum of one year to complete this program.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Articulation

Successful completion of this qualification will enable entry and four units of credit towards the BITC Bachelor of Information Technology.

Undergraduate Certificate of IT Team Management Recommended Enrolment Pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS1000 Digital Disruption£					1	2	
CIS2000 Systems Analysis and Design					1	1, 2	
MGT1101 Human Capabilities for Business£	1	1, 2			1	1, 2, 3	Enrolment is not permitted in MGT1101 if MGT1000 has been previously completed.
MGT2002 Perspectives of Organisation					1	1, 2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Diploma of Science Foundations (DOSF) - DipSF

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should consider the FDUS Foundation Diploma of University Studies which will be offered from Semester 2, 2016.

	Online #
Start:	No new admissions
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place
Residential school:	Some Science courses have compulsory residential schools
Standard duration:	1 year full-time, 3 years part-time
Program articulation:	To:

Notes:

The Science courses are available on-campus and by distance education. Details on these faculty-specific offerings can be found from the undergraduate Science programs.

The number of units credited towards the ; will depend on the courses studied and the major selected in the ; .

Footnotes

The first four courses are compulsory and are only available online.

Contact us

	Current students
	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Program aims

This is a generalist and collaborative program offered by the Open Access College and the Faculty of Health, Engineering and Sciences. The first four courses provide students with the necessary skills and knowledge that are essential for success at the university level of study. The remaining courses from the Faculty of Health, Engineering and Sciences provide foundation science knowledge and skills in the series of four science courses studied.

Program objectives

On the successful completion of the Diploma of Science Foundations graduates will have:

- demonstrated an ability to successfully study foundation science courses
- acquired sufficient knowledge about foundation science and science programs of study to make an informed choice about further undergraduate study in the Faculty of Health, Engineering and Sciences
- developed an awareness of the nature of the study of foundation courses in the Faculty of Health, Engineering and Sciences
- developed foundation science knowledge, skills and competencies in a series of first year science courses

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

There is no specified minimum educational achievement entrance standard.

Normally, to be eligible for enrolment in the program a person will have attained an age of at least 18 years in the year of the proposed enrolment.

Students will need to complete the online application form for entry to the Diploma Programs. All applicants are required to complete online diagnostic tests in Mathematics, e-literacy, and English Communication Skills. Applicants will then be given advice detailing whether the Diploma Program is the most appropriate pathway for them to undertake. Some students may be advised to undertake the Tertiary Preparation Pathway .

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

This Program consists of four core courses followed by four courses of foundation studies in science. Students must successfully complete the four compulsory core courses before they will be enrolled in the four science courses of foundation studies.

Core courses

There are four compulsory courses:

- DIP1000 E-Literacy for Contemporary Society
- DIP1001 Academic and Professional English
- DIP1002 Strategies for Successful Study
- DIP1003 Essential Mathematics

DIP1000 E-Literacy for Contemporary Society and DIP1002 Strategies for Successful Study are co-requisites: they must be studied together, and they must be the first courses undertaken.

For part-time students, DIP1001 Academic and Professional English and DIP1003 Essential Mathematics must be studied after DIP1000and DIP1002. All four courses can be taken in a single semester for those pursuing full-time studies.

Foundation studies in Science courses

After completing the four compulsory courses students can select four courses from the following selection of foundation courses *:

- PSY1010 Foundation Psychology A
- PSY1020 Foundation Psychology B
- CSC1402
- CSC1401 Foundation Programming
- STA2300
- MAT1000 Mathematics Fundamentals
- BIO1101 Biology 1 ^ §
- CHE1110 Chemistry 1 ^ §
- PHY1104 Physics 1
- REN1201 Environmental Studies
- PHY1101 Astronomy 1
- BIO2103 Biology 2 ^
- CHE2120 Chemistry 2 ^
- PHY1911 Physics 2
- PHY1107 Astronomy 2
- CLI1110 Weather and Climate
- MAT1100 Foundation Mathematics

^ These courses have a compulsory residential school.
§ BIO1101 and CHE1110 are prerequisites of BIO2103 and CHE2120: they must be studied first.

* The number of units of credited towards the will depend on the courses studied and the major chosen in the .

Program completion requirements

To successfully complete the Diploma of Science Foundations students must successfully complete the four compulsory core courses, and also the four science foundation courses.

Required time limits

Students have a maximum of three years to complete this program.

IT requirements

Students must have reliable and ready access to email and the Internet. Broadband access is required for the four compulsory core courses. Students should have access to a scanner for DIP1003 Essential Mathematics. For information technology requirements, please see the minimum computing standards

Students undertaking the Diploma of Science Foundations must complete the four compulsory courses first. DIP1000 and DIP1002 are co-requisites and must be taken first, and at the same time.

The recommended enrolment pattern for the four compulsory core courses is as follows:

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
DIP1000 E-Literacy for Contemporary Society					1	1,2,3	
DIP1001 Academic and Professional English					1	1,2,3	
DIP1002 Strategies for Successful Study					1	1,2,3	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
DIP1003 Essential Mathematics					1	1,2,3	
Plus the four Science courses referred to in the Program Structure.							

Associate Degree of Business .. (ADBC) - ADegBusCom

QTAC code (Australian and New Zealand applicants): Toowoomba campus: 904571; Online: 904575; Springfield campus: 924571

CRICOS code (International applicants): 093267C

This program will accept no new admissions from Semester 1, 2023. The information relating to this program is applicable to currently enrolled students and students intending to enrol prior to last semester offered Semester 3, 2022. Students who are interested in this study area should contact us **directly or refer to the new** ADBZ Associate Degree of Business.

	On-campus*	Online
Start:	No new admissions	No new admissions
Campus:	Springfield, Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	2 years full-time, up to 4 years part-time	
Program articulation:	To: Bachelor of Business ..	

Notes:

Students can commence study in Semester 3 at Springfield campus or Online only.

Footnotes

* Not all courses are available at all campuses.

Contact us

Future Australian and New Zealand students	Future International Students	Current Students
Ask a question Freecall (within Australia): 1800 640 678 Phone (from outside Australia): +61 7 4631 5315 Email :study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Program aims

The Associate Degree of Business program is designed to prepare graduates to undertake paraprofessional work in business and commerce and as a pathway for further learning. Graduates will be able to apply underpinning technical and theoretical knowledge in a range of relevant contexts in both the public and private sectors.

Program objectives

At the completion of the Associate Degree of Business, students should be able to:

(1) synthesise underpinning business knowledge, concepts, theories, principles and processes
(2) think constructively and logically about business-related issues and problems
(3) communicate clearly and concisely in presenting business-related knowledge and ideas to a range of audiences

(4) apply business-related knowledge and technical skills to resolve routine problems and make ethical decisions across a range of contexts
(5) use initiative and judgement to plan and implement para-professional projects
(6) work autonomously and collaboratively as part of ongoing learning and para-professional practice.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 06. Graduates at this level will have broad knowledge and skills for paraprofessional/highly skilled work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- The specified minimum entry requirement as determined by Australian Tertiary Admission Rank (ATAR), or equivalent qualification.^

- English Language Proficiency requirements for Category 2.

Applicants are advised to also note the following:

- Assumed knowledge expectations: English (Units 3 & 4, C) and General Mathematics (Units 3 & 4, C).

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

^ These are determined by the University for specific programs each Semester. The 2023 ATAR and tertiary entrance ranks are based on agreed QTAC schedules which assess formal study at Year 12 or equivalent level, tertiary, preparatory, professional or vocational qualifications or work experience, as detailed in the QTAC Assessment of Qualifications Manual and QTAC Assessor Guidelines.

Adjustment factors may help you get into the program of your choice by increasing your entrance rank. The additional points don't apply to all applicants or all programs. Please read the information about UniSQ's Adjustment Factors carefully to find out what you may be eligible for.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The Associate Degree of Business is comprised of 16 units as follows:

Area of Study	Number of units
Core Courses	8
2 x 4–unit minors from the Associate Degree of Business or 1 x 4–unit minor and 4 other courses selected from the Associate Degree of Business. Students may complete no more than ten (10) level 1 courses. Available minors include: • Accounting • Advertising • Banking and Financial Services • Business Administration • Business Economics • Communication and Media Studies • e-Commerce • Economics and Politics • Finance • Global Political Economy • Human Resource Management • Information Technology Management • Journalism • Management and Leadership • Marketing • Politics and International Relations • Public Relations	8
Total	16

Please note: Subject to meeting prerequisite requirements and with the approval of the Program Coordinator, up to four courses may be taken from other undergraduate programs offered at the University of Southern Queensland.

Students in the Bachelor of Business .. who wish to exit with the Associate Degree of Business (ADBC) may apply to do so upon successful completion of the 8 core courses and 8 other courses from the Bachelor of Business .. program, subject to the approval of the Program Coordinator.

Required time limits

The standard duration for completion of this program is 2 years full-time, 4 years part-time. Students have a maximum of 6 years to complete this program.

Core courses

All students are required to complete a core of eight single-unit courses. The purpose of the core courses is to expose business and commerce students to fundamental concepts and methods and the diversity of subject matter that they will encounter in their studies. The functional areas of business and commerce are identified and elementary tools underpinning specialist study areas are developed. Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield Campus
ACC1101	1, 2, 3	1, 2	1, 2
CIS1000 Digital Disruption[£]	1, 2, 3	1, 2	1, 2, 3
ECO1000	1, 2, 3	1	1, 2
FIN1101 Corporate Finance	1, 2, 3	1	1, 2
LAW1500 [+]	1, 2, 3	1, 2	1, 2
MGT1000	1, 2, 3	1	1
STA1003 Fundamental Statistics	1, 2, 3	1, 2	2
MKT1001 Marketing Fundamentals	1, 2, 3	1	1

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

\+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 unless instructed to by the School of Business

Minor Studies

Accounting minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
ACC1105	1, 2, 3	2	2
ACC2102	1, 2	1	1
ACC2113 [#]	1, 2	2	2
ACC3300 Accounting Major Capstone	2		

Footnotes

\# Toowoomba offer is not available in Semester 2, 2022.

Advertising minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
ADV1001 Introduction to Advertising	1, 3	1	
ADV2000 Advertising, Regulation and Ethics	1		
ADV2001 Advertising as Communication	1	1	
ADV2002 Advertising: Copywriting and Concept Design	2	2	

Banking and Financial Services minor

This minor is based on Australian financial regulations and may not be suitable for some international students.

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
FIN1103 Financial Markets	2, 3	2	2
FIN2108 Credit Analysis and Lending Management	2	2	2
FIN2106 Personal Financial Planning ##	1	1	1
FIN3109 Managing Financial Institutions	1	1	1

Footnotes

Springfield offer is not available in Semester 1, 2022.

Business Administration minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Select one of the following two courses:			
CIS1101 Business Online *	2, 3	2	2
MGT2002 Perspectives of Organisation	2, 3	2	2
Compulsory courses:			
MGT2001 Risk Mitigation, Work Health and Safety	1	1	1
MGT3005 Workforce Design	1	1	1
MGT3201 Organisational Administration	2		

Footnotes

* Students who do not have regular internet access must complete MGT2002 instead of CIS1101.

Business Economics minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Compulsory courses:			
FIN1103 Financial Markets	2, 3	2	2
ECO2000 The Macro-economy and Business	2		
ECO2001	1		
Select one of the following courses:			
ECO3010 International Economics and Trade	1		
ECO3030 Sustainable Economies	2		

Communication and Media Studies minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Select four of the following courses:			
CMS1010 Introduction to Communication Studies	1	1	1
CMS2009 Celebrity and Society	2		
MSD2550 Television and Streaming Platforms	2		
CMS2018 Audience and Industry	2		
CMS2020 Broadcast Media: History and Theory ###	2		

Footnotes

Semester 2 Online offer is not available in 2022.

e-Commerce minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CIS1101 Business Online	2, 3	2	2
ACC1105	1, 2, 3	2	2
ACC2102	1, 2	1	1
CIS3009 Enterprise Systems in Practice	2, 3	2	2

Economics and Politics minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
POL1000	1, 2	1	1
ECO3010 International Economics and Trade	1		

ECO2001	1		
POL2001 #	2	2	

Footnotes

Toowoomba and Springfield offers are not available in Semester 1, 2022.

Toowoomba offer is not available in Semester 2, 2022.

Finance minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Compulsory course:			
FIN1103 Financial Markets	2, 3	2	2
Select three of the following courses:			
FIN2105 Portfolio Management	2, 3	2	2
FIN2106 Personal Financial Planning ##	1	1	1
FIN2108 Credit Analysis and Lending Management *	2	2	2
FIN2302 Financial Economics	1	1	1

Footnotes

Springfield offer is not available in Semester 1, 2022.

* This course is based on Australian financial regulations and may not be suitable for some international students.

Global Political Economy minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
INR1000 Introduction to International Relations £	1	1	
POL2001 #	2	2	
ECO2000 The Macro-economy and Business	2		
ECO3010 International Economics and Trade	1		

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Toowoomba offer is not available in Semester 2, 2022.

Human Resource Management minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
MGT1001 Cultivating Talent	1	1	1
MGT2001 Risk Mitigation, Work Health and Safety	1	1	1
MGT2004 Enhancing Performance	2	2	2
MGT3006 Employment Relations	2	2	2

Information Technology Management minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CIS1101 Business Online	2, 3	2	2
CIS2000 Systems Analysis and Design	1, 2, 3	1	1
CSC3400 Database Systems[£]	1, 3	1	1
CIS2005 Principles of Information Security	2	2	2

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Journalism minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Select four of the following courses:			
JRN1020 The Journalist's Toolkit	2, 3	2	2
JRN1030 Reporting the News	1, 2, 3	1, 2	1, 2
JRN2001	1	1	1
JRN2006	2		
JRN3003 Feature Writing	1		

Footnotes

Springfield and Toowoomba offers are not available in 2022.

Management and Leadership minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
MGT2002 Perspectives of Organisation	2, 3	2	2
MGT2007 Leadership	1		
MGT3001 Global Management [#]	1, 3	1	1
MGT3002 Managing Change	2, 3	2	2

Footnotes

Toowoomba offer is not available in Semester 1, 2022.

Marketing minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
MKT1002 Consumer Psychology	1, 2	1	1
MKT2001 Marketing Communications	2, 3	2	2
MKT2013 Digital Marketing and Branding	1, 3	1	1

MKT3001 Marketing Intelligence	1, 2	2	

Politics and International Relations minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
INR1000 Introduction to International Relations[£]	1	1	
INR1002 Soft Power and Cultural Diplomacy	2	2	
INR2000 Global Foreign Policy	1	1	
POL2001 [#]	2	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Toowoomba offer is not available in Semester 2, 2022.

Public Relations minor

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Select four of the following courses:			
PRL1002 The PR Playbook: Practice and Tools	1	1	1
PRL1005 Digital Networks for PR	2	2	2
PRL2001	2		
PRL2002 Community Consultation and Engagement	1	1	
PRL2003	1	1	

Footnotes

Toowoomba offer is not available in Semester 1, 2022.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Other program requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Articulation

To articulate into UniSQ's Bachelor of Business .. program candidates must have successfully completed 8 courses from the Associate Degree of Business and maintained satisfactory academic standing in the program. Students planning to articulate should choose the 8 core courses.

Exit points

Students must maintain good standing in this program (see other program requirements section). Students not wishing to complete the Associate Degree of Business program may be permitted to exit with a Diploma of Business (DPBC) if they have completed eight courses with a minimum of four core courses, and four other courses from the Associate Degree of Business.

Credit

Credit may be granted on the basis of completed equivalent study from a recognised institution. In order for credit to be granted, the claim must meet the following specific requirements:

- the course was passed within five years prior to the application (courses up to 10 years old may be considered if evidence is provided that the applicant has been employed in that field)
- the course passed is sufficiently equivalent in objectives, content and weighting to a course prescribed in the Associate Degree of Business course, or alternatively, the course is suitable as an elective
- where the student has taken out an award from a recognised institution and is claiming credit on the basis of courses completed to meet the requirements of that program, the maximum credit allowable on the basis of such courses will be no greater than eight courses for the Associate Degree of Business
- credit approved in this program will not automatically apply to other programs offered by the UniSQ.

Claims for credit should be submitted prior to or at the time of enrolment in a course. Each claim will be assessed on individual merit in line with UniSQ policy. Please contact the Faculty of Business, Education, Law and Arts for further information.

Please refer to the Program Structure for course details.

Recommended enrolment pattern - full-time enrolment

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Core course	1	1			1	1	
Core course	1	1			1	1	
Core course	1	1			1	1	
Core course	1	1			1	1	
Core course	1	2			1	2	
Core course	1	2			1	2	
Minor/selective course	1	2			1	2	
Minor/selective course	1	2			1	2	
Core course	2	1			2	1	
Core course	2	1			2	1	
Minor/selective course	2	1			2	1	
Minor/selective course	2	1			2	1	
Minor/selective course	2	2			2	2	
Minor/selective course	2	2			2	2	
Minor/selective course	2	2			2	2	
Minor/selective course	2	2			2	2	

Recommended enrolment pattern - part-time enrolment

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Core course	1	1			1	1	
Core course	1	1			1	1	
Core course	1	2			1	2	
Core course	1	2			1	2	
Core course	2	1			2	1	
Core course	2	1			2	1	
Minor/selective course	2	2			2	2	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Minor/selective course	2	2			2	2	
Core course	3	1			3	1	
Core course	3	1			3	1	
Minor/selective course	3	2			3	2	
Minor/selective course	3	2			3	2	
Minor/selective course	4	1			4	1	
Minor/selective course	4	1			4	1	
Minor/selective course	4	2			4	2	
Minor/selective course	4	2			4	2	

Bachelor of Business .. (BBCM) - BBus

CRICOS code (International applicants): 092182E

This program will accept no new admissions from Semester 1, 2023. The information relating to this program is applicable to currently enrolled students and students intending to enrol prior to last semester offered Semester 3, 2022. Students who are interested in this study area should contact us directly.

	On-campus*	Online
Start:	No new admissions	No new admissions
Campus:	Springfield, Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	3 years full-time, up to 6 years part-time	

Notes:

Students can commence study at Toowoomba campus in semester 1 or semester 2. Students can commence study at Springfield campus or online in semester 1, semester 2 or semester 3.

There is no semester 3 intake for international on-campus students.

Footnotes

* Not all majors and minors are fully available at all campuses.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Professional accreditation

Accounting major and Accounting (Extended) major graduates will meet the educational entrance requirements of CPA Australia and Chartered Accountants Australia and New Zealand (CAANZ). This provides Associate membership of CPA Australia, eligibility to study the CPA Australia professional exams and eligibility to study the CAANZ professional exams.

The Accounting major and Accounting (Extended) major are accredited by the Chartered Institute of Management Accountants (CIMA) and the Association of International Accountants (AIA).

Successful completion of the Accounting major and Accounting (Extended) major can qualify students for exemptions from the Fundamental level (9 papers) of the Association of Chartered Certified Accountants (ACCA) exams.

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

Students who wish to be registered tax agents must complete the Accounting (Extended) major and complete LAW3444 Competition and Consumer Law as an elective in order to meet the educational entrance requirements of the Tax Practitioners Board.

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

The Human Resource Management major is accredited by the Australian Human Resources Institute (AHRI) and satisfies the educational requirements for professional membership of AHRI.

The Marketing major is accredited by the Australian Marketing Institute (AMI), and students are eligible for credit towards becoming a Certified Practising Marketer (CPM) upon completion.

Program aims

The Bachelor of Business is a professionally-oriented degree program. The aim of the program is to produce graduates who are equipped to identify, describe, analyse and resolve business problems in both the public and private sectors. Successful completion of the program will equip graduates with the skills and knowledge required to undertake employment in relevant professions.

Program objectives

Upon successful completion of the program, students will be able to:

(1) synthesise business knowledge, disciplinary concepts, theories, principles and processes
(2) think critically, constructively and logically about business-related issues, problems and theoretical debates
(3) communicate clearly and concisely in presenting relevant knowledge and ideas to a range of audiences
(4) apply business-related knowledge and technical skills to resolve problems and make ethical decisions across a range of institutional, national and global contexts
(5) use initiative, creativity and judgement to plan and implement professional projects
(6) work autonomously and collaboratively as part of ongoing learning and professional practice.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 07. Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- The specified minimum entry requirement as determined by Australian Tertiary Admission Rank (ATAR), or equivalent qualification.^

- English Language Proficiency requirements for Category 2.

Applicants are advised to also address the following:

- Assumed Knowledge expectations: English (Units 3 & 4, C) and General Mathematics (Units 3 & 4, C).

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

^ These are determined by the University for specific programs each Semester. The 2023 ATAR and tertiary entrance ranks are based on agreed QTAC schedules which assess formal study at Year 12 or equivalent level, tertiary, preparatory, professional or vocational qualifications or work experience, as detailed in the QTAC Assessment of Qualifications Manual and QTAC Assessor Guidelines.

Adjustment factors may help you get into the program of your choice by increasing your entrance rank. The additional points don't apply to all applicants or all programs. Please read the information about UniSQ's Adjustment Factors carefully to find out what you may be eligible for.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The Bachelor of Business comprises 24 single-unit courses as indicated in the table below. **Students are not permitted to complete more than ten (10) Level 1 courses as part of the program.**

Area of study	Number of units
Core courses	8 units

8–unit major (select one): • Accounting • Business Administration • Business Economics • Finance • Human Resource Management • Management and Leadership • Marketing **plus one of the following:** • second major (8 units) **or** • 2 x 4-unit minors **or** • 1 x 4-unit minor and 4 elective courses. **OR 12-unit major** • Accounting (Extended) **plus one of the following:** • 1 x 4-unit minor **or** • 4 elective courses.	16 units
Total	24 units

Required time limits

The standard duration for completion of this program is 3 years full-time or 6 years part-time. Students have a maximum of 9 years to complete this program.

Core courses

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
ACC1101	1, 2, 3	1, 2	1, 2
CIS1000 Digital Disruption£	1, 2, 3	1, 2	1, 2, 3
ECO1000	1, 2, 3	1, 2	2
FIN1101 Corporate Finance	1, 2, 3	1	1, 2
LAW1500	1, 2, 3	1, 2	1, 2
MGT1000	1, 2, 3	1	1
MKT1001 Marketing Fundamentals	1, 2, 3	1	1
Select one of the following two courses:			
STA1003 Fundamental Statistics	1, 2, 3	1, 2	2
STA1004 Fundamental Statistics for Accountants**	2, 3		

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

** STA1004 is only to be completed by students enrolled in either the Accounting or Accounting Extended Major, to satisfy their accreditation requirements.

Major studies

A major study is a set of courses that make up a coherent, in-depth study of a specific discipline. Bachelor of Business majors comprise 8 or 16 units. All students in the Bachelor of Business must complete at least one major study selected from those offered within the Bachelor of Business:

8-unit majors:

- Accounting
- Business Administration
- Business Economics
- Finance
- Human Resource Management
- Management and Leadership
- Marketing

12-unit major:

- Accounting (Extended)

16-unit majors:

Double major studies

Students may choose to complete a second major from the Bachelor of Business, or from the undergraduate degree programs in another area at the University of Southern Queensland. A program in which there is a first and second major is known as a 'double major'.

For example, students may undertake a second major from the Bachelor of Arts or the Bachelor of Communication and Media. Examples of second majors include Advertising, International Relations, Journalism or Public Relations. Where a student is required to do one or more core courses from that program to satisfy prerequisites for the proposed major, the core course/s may form part of that major, and be substituted for one of the courses in the major.

Where a second major from another area contains fewer than 8 units, students must complete extra elective units, chosen from undergraduate courses offered at the University of Southern Queensland to ensure that their program contains 24 units in total.

Important notes

Students wishing to undertake PWE3000 as an elective must have successfully completed a minimum of 16 units in their program of study. Students considering enrolling in PWE3000 should read the information and conditions contained in the course specification.

PWE3000 is not available to international students regardless of location or mode of study as it is an elective course. Australian regulations do not allow an elective work-based training course that is not a mandatory program requirement to be offered to international students.

Accounting major

The Accounting major provides students with a broad knowledge base in financial accounting, management accounting, business law and finance. Second majors or minors are available in a range of business, commerce and arts areas.

Accounting major graduates will meet the educational entrance requirements of CPA Australia and Chartered Accountants Australia and New Zealand (CAANZ). This provides Associate membership of CPA Australia, eligibility to study the CPA Australia professional exams and eligibility to study the CAANZ professional exams.

Successful completion of the Accounting major can qualify students for exemptions from the Fundamental level (9 papers) of the Association of Chartered Certified Accountants (ACCA) exams.

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

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Level 1			
ACC1105 #	1, 2, 3	2	2
Level 2			
ACC2102 ^	1, 2	1	1
ACC2113 ##	1, 2	2	2
ACC2115 (Formerly ACC3115)	1, 2, 3	2	2
Level 3			
ACC3116 Accounting and Society	1, 2	1	1
ACC3118	1, 2	1	1
LAW3130	1, 2, 3	1	1
ACC3300 Accounting Major Capstone*	1, 2		

Footnotes

Students who have successfully completed ACC3101 Accounting Information Systems should not complete ACC1105 .

^ Students who have successfully completed ACC1102 Financial Accounting should not complete ACC2102 .
Springfield offer is not available in Semester 1, 2022.

Toowoomba offer is not available in Semester 2, 2022.
Ipswich offer is not available in Semester 1, 2022.

* Students who have completed LAW1101 as a Core Course will need to complete LAW2106 by cross-institutional study. Enrolment into ACC3300 Accounting Major Capstone is not required for these students. However, this course can be completed as an elective, subject to meeting pre-requisite requirements.

Accounting (Extended) major

The Accounting (Extended) major provides students with a broad knowledge base in financial accounting, management accounting, business law and finance. Minors are available in a range of business, commerce and arts areas.

Accounting (Extended) major graduates will meet the educational entrance requirements of CPA Australia and Chartered Accountants Australia and New Zealand (CAANZ). This provides Associate membership of CPA Australia, eligibility to study the CPA Australia professional exams and eligibility to study the CAANZ professional exams.

Successful completion of the Accounting (Extended) major can qualify students for exemptions from the Fundamental level (9 papers) of the Association of Chartered Certified Accountants (ACCA) exams.

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

Students who wish to be registered tax agents must complete the Accounting (Extended) major and complete LAW3444 Competition and Consumer Law as an elective in order to meet the educational entrance requirements of the Tax Practitioners Board.

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Level 1			
ACC1105 #	1, 2, 3	2	2
Level 2			
ACC2102 ^	1, 2	1	1
ACC2113 ##	1, 2	2	2
ACC2115 (Formerly ACC3115)	1, 2, 3	2	2
LAW2500 Commercial Property Law+	1		
Level 3			
ACC3114	1		
ACC3116 Accounting and Society	1, 2	1	1
ACC3118	1, 2	1	1
ACC3210	2		
LAW3130	1, 2, 3	1	1
LAW3131	2		
ACC3300 Accounting Major Capstone*	1, 2		

Footnotes

Students who have successfully completed ACC3101 Accounting Information Systems should not complete ACC1105 .

^ Students who have successfully completed ACC1102 Financial Accounting should not complete ACC2102 .
Springfield offer is not available in Semester 1, 2022.

Toowoomba offer is not available in Semester 2, 2022.

+ To meet the educational entrance requirements of the Tax Practitioners Board you must complete two tax courses (LAW3130 Revenue Law and Practice and LAW3131 Revenue Law and Practice II) and three law courses (LAW1500 Introduction to Business and Company Law, LAW2500 Commercial Property Law and LAW3444 Competition and Consumer Law. LAW3444 Competition and Consumer Law must be completed as an Elective.
Ipswich offer is not available in Semester 1, 2022.

* Students who have completed LAW1101 as a Core Course will need to complete LAW2106 by cross-institutional study. Enrolment into ACC3300 Accounting Major Capstone is not required for these students. However, this course can be completed as an elective, subject to meeting pre-requisite requirements.

Business Administration major

This Business Administration major equips students with an understanding of how organisations operate in different environmental contexts, both private and public, and with administrative management skills. It exposes students to a wide range of issues and challenges faced by managers as they strive to make organisations more successful and sustainable, and become responsible stakeholders in society. Students develop relevant conceptual, analytical, functional, and operational capabilities to equip them to confidently address a range of organisational and managerial challenges in contemporary organisations.

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Level 1			
CIS1101 Business Online	2, 3	2	2
Level 2			

MGT2001 Risk Mitigation, Work Health and Safety	1	1	1
MGT2002 Perspectives of Organisation	2, 3	2	2
MGT2204 Business Ethics and Governance	1, 3	1	
Level 3			
MGT3005 Workforce Design^	1	1	1
MGT3007 Building Intelligent Organisations~	1		
MGT3201 Organisational Administration	2		
MGT3203 Project Management Processes#	2, 3	2	2

Footnotes

^ Students who have successfully completed MGT2000 Staffing and Remuneration or MGT2000 Workforce Design should not complete MGT3005 Workforce Design.

~ Students who have successfully completed MGT2008 Knowledge Management and Organisational Learning or MGT3200 Information Management should not complete MGT3007 Building Intelligent Organisations.

Students who have successfully completed MGT2203 Project Management Fundamentals should not complete MGT3203 Project Management Processes.

Business Economics major

Business economics is concerned with how managers utilise resources efficiently in achieving the firm's goals. This includes the use of labour, capital, materials and energy within the firm, and the firm's relationship with consumers and with government. This major provides students with skills to apply economic analysis in business and management contexts and is a good complement to majors and minors in other commerce majors as well as arts and education majors.

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Level 1			
FIN1103 Financial Markets	2, 3	2	2
Level 2			
ECO2000 The Macro-economy and Business	2		
ECO2001	1		
POL2001 #	2	2	
Level 3			
ECO3002	2		
ECO3010 International Economics and Trade	1		
ECO3020 Behavioural Economics	1		
ECO3030 Sustainable Economies	2		

Footnotes

Toowoomba offer is not available in Semester 2, 2022.

Finance major

The Finance major provides students with a knowledge of financial environments and modern analytical techniques. Students learn to understand a broad range of finance areas including business finance, stockbroking, investment management, international financial management and financial economics. Graduates will be equipped for a career in stockbroking, financial services and business. Second majors or minors are available in a range of Business, Commerce and Arts areas.

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

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Level 1			
FIN1103 Financial Markets	2, 3	2	2
Level 2			
FIN2105 Portfolio Management	2, 3	2	2
FIN2108 Credit Analysis and Lending Management	2	2	2
FIN2302 Financial Economics	1	1	1
Select one of the following two courses:			
ECO2000 The Macro-economy and Business	2		
FIN2106 Personal Financial Planning (Formerly FIN1106)* ##	1	1	1
Level 3			
FIN3101 Finance Theory and Applications (Formerly FIN2101)	2	2	
FIN3106 International Finance	1	1	
FIN3109 Managing Financial Institutions (Formerly FIN2109)	1	1	1

Footnotes

* FIN2106 Personal Financial Planning is not recommended for international students.

Springfield offer is not available in Semester 1 2022.

Human Resource Management major

The aim of the Human Resource Management (HRM) major is to engage students in learning about how the HRM professional must use a range of progressive and co-dependent people-related activities to simultaneously drive business performance and sustain the capability and well-being of the people working for the organisation. Students will acquire an understanding of how the HRM professional builds partnerships with, fosters and influences, key organisational stakeholders to design and maintain a respected and dynamic HRM strategy that contributes to organisational strategies. Students will learn to apply the skills associated with being an expert HRM practitioner who is jointly sensitive to the demands of operating responsibly within a business-driven environment and meeting the needs of a sustainable, capable workforce and culture.

The Human Resource Management major is accredited by the Australian Human Resources Institute (AHRI) and satisfies the educational requirements for professional membership of AHRI.

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Level 1			
MGT1001 Cultivating Talent	1	1	1
Level 2			
MGT2001 Risk Mitigation, Work Health and Safety	1	1	1
MGT2002 Perspectives of Organisation	2, 3	2	2
MGT2004 Enhancing Performance	2	2	2
Level 3			
MGT3002 Managing Change	2, 3	2	2
MGT3005 Workforce Design*	1	1	1
MGT3006 Employment Relations^	2	2	2
MGT3007 Building Intelligent Organisations†	1		

Footnotes

* Students who have successfully completed MGT2000 Staffing and Remuneration or MGT2000 Workforce Design should not complete MGT3005 Workforce Design.

^ Students who have successfully completed MGT2006 Employment Relations should not complete MGT3006 Employment Relations.

† Students who have successfully completed MGT3003 Human Resource Performance Management or MGT2008 Knowledge Management and Organisational Learning should not complete MGT3007 Building Intelligent Organisations.

Management and Leadership major

The aim of the Management and Leadership major is to equip students with advanced management and leadership skills applied to real-life organisational situations. We explore management at the individual, team and organisation level including the relationships between knowledge and strategy, organisation and leadership. At the individual and group level, we explore how different behaviours and conflicts develop and how to deal with individual differences. We study how organisational groups learn and challenge their own thinking and how managers can create an organisational climate that helps people see the big picture. To develop leadership skills, the major addresses different leader approaches from behavioural leadership to strategic and authentic leaders. For the latter, we explore how senior management groups function and their responsibilities to stakeholders. We address how managers explore different change options and how to relate these to the strategies of the business. Students of this major will learn critical and valuable skills in management and leadership generally that will help them solve difficult and complex problems in any organisation.

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Level 2			
MGT2002 Perspectives of Organisation	2, 3	2	2
MGT2004 Enhancing Performance*	2	2	2

MGT2007 Leadership	1		
MGT2204 Business Ethics and Governance	1, 3	1	
Level 3			
MGT3001 Global Management	1, 3	1	1
MGT3002 Managing Change	2, 3	2	2
MGT3004 Creativity, Innovation and Entrepreneurship	2		
MGT3007 Building Intelligent Organisations^	1		

Footnotes

* Students who have successfully completed either MGT2004 People Development or MGT3003 Human Resource Performance Management should not complete MGT2004 Enhancing Performance.

^ Students who have successfully completed MGT2008 Knowledge Management and Organisational Learning should not complete MGT3007 Building Intelligent Organisations.

Marketing major

Marketing is an essential activity for every organisation and every brand regardless of its size or scope. The best part about a marketing degree, is that it does not confine you to an industry, a country, or a type of business. Marketers are needed anywhere there is a transaction between two or more parties with marketing being responsible for improving the viability of the firm and also for delivering value to customers. So, if you are a person who is creative; self-motivated; likes to work in a team; organised but flexible; and most of all likes engaging with people, then marketing may be the career for you. The marketing major at UniSQ focuses on providing you with the skills and knowledge in a real-world context to equip you for an exciting and rewarding career. Marketing delivers value to customers and the firm, it benefits society by creating informed consumers and it offers great career opportunities.

The Marketing major is accredited by the Australian Marketing Institute (AMI), and students are eligible for credit towards becoming a Certified Practising Marketer (CPM) upon completion.

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Level 1			
MKT1002 Consumer Psychology	1, 2	1	1
Level 2			
MKT2001 Marketing Communications	2, 3	2	2
MKT2015 Creating Marketing Value	1	1	1
MKT2013 Digital Marketing and Branding	1, 3	1	1
MKT2014 Global Marketing*	2	2	2
Level 3			
MKT3001 Marketing Intelligence	1, 2	2	
MKT3007 Marketing Strategy	2	2	2

MKT3008 Marketing Project	1, 2	1	1

Footnotes

* Students who have successfully completed MKT2002 Global Marketing, but not MKT2004 Marketing Channels must enrol in either MKT2015 Creating Marketing Value or MKT2013 Digital Marketing and Branding . Students who have successfully completed MKT2004 Marketing Channels but not MKT2002 Global Marketing, must enrol in either MKT2015 Creating Marketing Value or MKT2013 Digital Marketing and Branding . Students who have successfully completed MKT2002 Global Marketing and MKT2004 Marketing Channels must select an elective.

Minor Studies

A minor study is a group of courses designed to provide students with an area of knowledge and skills that either:

- draw from a recognised discipline and are designed to contribute to the major study or
- may transcend traditional disciplinary boundaries, but complements the objectives of the program.

A number of minor studies are available to students in this program.

Students are advised to consider the whole range of minor studies offered. However, the availability of general minor studies may be limited by a number of factors, including:

- the authorisation of the student's choice by the academic adviser and faculty
- the satisfactory completion of pre-requisite courses by the student
- the provisions of the faculty offering the minor, including audition and interview requirements in certain areas of the arts and education
- timetabling constraints
- quotas.

All students in the Bachelor of Business, except those undertaking a second major, must complete a four-unit minor study. Courses must be taken over a minimum of two levels and should be in the same discipline or recognised multi-disciplinary area.

A minor in the Bachelor of Business may comprise one of the following:

- any four units from a major in the Bachelor of Business apart from those majors indicated below, and as long as pre-requisites are met
- any four business-related or approved units from a major in another program from the University of Southern Queensland as long as pre-requisites are met - where a student is required to do one or more core courses from that program to satisfy pre-requisites for the proposed minor, the core course/s may form part of that minor
- four specified units in a disciplinary area designed to extend knowledge as listed below. See a list of minor studies at http://www.usq.edu.au/handbook/current/optionstudies/optionstudies.html.

NOTE: Students are not permitted to enrol in more than ten (10) Level 1 courses as part of the program.

Students who wish to take a minor study that falls outside the guidelines above for the Bachelor of Business, must obtain Faculty of Business, Education, Law and Arts approval prior to enrolling in courses to be counted towards that minor. Before undertaking any course, the pre-requisite courses must be completed or exempted.

Electives/Approved courses

Students not completing a double major must select a minor plus four units of elective courses from courses offered in the Bachelor of Business or, with Faculty of Business, Education, Law and Arts approval, from other undergraduate programs offered at the University of Southern Queensland. Enrolment requirements must be satisfied for any course selected.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Other program requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Students enrolled in the joint TAFE/UniSQ Diploma Programs must complete their Diploma studies at the TAFE Queensland before continuing enrolment at UniSQ.

Exit points

Students must maintain good standing in this program (see Other program requirements section). Students not wishing to complete the Bachelor of Business may be permitted to exit with either the Diploma of Business (DPBC) or the Associate Degree of Business .. (ADBC).

Students may exit with the Diploma of Business (DPBC) if they have completed 8 courses as follows:

- a minimum of 4 courses from the Bachelor of Business core courses, and
- 4 other courses from the Bachelor of Business, or 4 business-related courses with the approval of the Faculty of Business, Education, Law and Arts.

Students may exit with the Associate Degree of Business .. if they have completed 16 courses as follows:

- 8 core courses from the Bachelor of Business and
- 8 other business-related courses with the approval of the Faculty of Business, Education, Law and Arts.

Credit

Candidates for admission to the Bachelor of Business may be eligible for up to 16 units of credit on the basis of successful completion of relevant, equivalent undergraduate study from a recognised university or institution offering equivalent study. Credit approved in this program will not automatically apply to other programs offered by UniSQ.

Students studying accounting should note that professional bodies such as the CPA Australia and Chartered Accountants Australia and New Zealand (CAANZ) have advanced standing policies that are more restrictive so students are advised to seek current information from these bodies before applying for credit.

Claims for credit for previous study should be submitted prior to or at the time of enrolment. Each claim will be assessed on individual merit in line with UniSQ policy.

Note: Where credit is granted, maximum and minimum duration will be adjusted in the same proportion as credit, for example, where eight units of credit is granted, maximum time will be six years and minimum time will be four semesters.

Recommended enrolment patterns

Given the program structure information, students should plan their enrolment making sure that they have fulfilled all core, major, minor and elective requirements. Enrolment requirements must be satisfied before enrolling in a course.

As a guide, full-time students (shown as ONC) should plan to undertake 8 courses per year and part-time students (shown as ONL) who are in employment, a maximum of 6 courses per year, with a minimum of 4 courses per year. This is exclusive of any semester 3 enrolments.

Courses are normally offered on-campus and online in the same semester. If a course is offered twice in one year, the second offering will normally be on an online basis only.

Students wishing to undertake PWE3000 as an elective must have successfully completed a minimum of 16 units in their program of study. Students considering enrolling in PWE3000 should read the information and conditions contained in the course specification. PWE3000 is not available to international students regardless of location or mode of study as it is an elective course. Australian regulations do not allow an elective work-based training course that is not a mandatory program requirement to be offered to international students.

Accounting major - On-campus and Online (Semester 1 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC1101	1	1			1	1		
FIN1101 Corporate Finance	1	1			1	1	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major students)	
ECO1000	1	1			1	1		
LAW1500 +	1	1			1	1		
ACC1105 #	1	2			1	2		
MKT1001 Marketing Fundamentals					1	2	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major students)	
STA1004 Fundamental Statistics for Accountants					1	2	Enrolment is not permitted in STA1004 if STA1003 or STA2300 or STA8170 or STA6200 has been previously completed	
Minor/elective/second major course	1	2			1	2		
ACC2102 ^	2	1			2	1		
LAW3130	2	1			2	1		
MGT1000	2	1			2	1		
CIS1000 Digital Disruption £	2	1			2	1		
ACC2113 ##	2	2			2	2		
ACC2115	2	2			2	2		Formerly ACC3115
Minor/elective/second major course	2	2			2	2		
Minor/elective/second major course	2	2			2	2		
ACC3116 Accounting and Society	3	1			3	1	Pre-requisite: ACC2115	
ACC3118	3	1			3	1		
Minor/elective/second major course	3	1			3	1		
Minor/elective/second major course	3	1			3	1		
ACC3300 Accounting Major Capstone *					3	2		
Minor/elective/second major course	3	2			3	2		
Minor/elective/second major course	3	2			3	2		
Minor/elective/second major course	3	2			3	2		

Footnotes

+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 .

Students who have successfully completed ACC3101 Accounting Information Systems should not complete ACC1105 .

^ Students who have successfully completed ACC1102 Financial Accounting should not complete ACC2102 .
Springfield offer is not available in Semester 1, 2022.
Ipswich offer is not available in Semester 1, 2022.

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Toowoomba offer is not available in Semester 2, 2022.

* Students who have completed LAW1101 as a Core Course will need to complete LAW2106 by cross-institutional study. Enrolment into ACC3300 Accounting Major Capstone is not required for these students. However, this course can be completed as an elective, subject to meeting pre-requisite requirements.

Accounting major - On-campus and Online (Semester 2 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
LAW1500 +	1	2			1	2	
ACC1101	1	2			1	2	
FIN1101 Corporate Finance	1	2			1	2	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major stu dents)
ECO1000	1	2			1	2	
STA1004 Fundamental Statistics for Accountants					1	1	Enrolment is not permitted in STA1004 if STA1003 or STA2300 or STA8170 or STA6200 has been previously completed
CIS1000 Digital Disruption£	1	1			1	1	
MGT1000	1	1			1	1	
MKT1001 Marketing Fundamentals	1	1			1	1	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major stu dents)
ACC1105 #	2	2			2	2	
ACC2113 ##	2	2			2	2	
Second Major/Minor/Elective Course	2	2			2	2	
Second Major/Minor/Elective Course	2	2			2	2	
ACC2102 ^	2	1			2	1	
LAW3130	2	1			2	1	
Second Major/Minor/Elective Course	2	1			2	1	
Second Major/Minor/Elective Course	2	1			2	1	
ACC2115	3	2			3	2	
Second Major/Minor/Elective Course	3	2			3	2	
Second Major/Minor/Elective Course	3	2			3	2	
Second Major/Minor/Elective Course	3	2			3	2	
ACC3116 Accounting and Society	3	1			3	1	Pre-requisite: ACC2115
ACC3118	3	1			3	1	
ACC3300 Accounting Major Capstone *					3	1	
Second Major/Minor/Elective Course	3	1			3	1	

Footnotes

+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 .

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Students who have successfully completed ACC3101 Accounting Information Systems should not complete ACC1105 .

Toowoomba offer is not available in Semester 2, 2022.

^ Students who have successfully completed ACC1102 Financial Accountingshould not complete ACC2102 .
Springfield offer is not available in Semester 1, 2022.
Ipswich offer is not available in Semester 1, 2022.

* Students who have completed LAW1101 as a Core Course will need to complete LAW2106 by cross-institutional study. Enrolment into ACC3300 Accounting Major Capstone is not required for these students. However, this course can be completed as an elective, subject to meeting pre-requisite requirements.

Accounting (Extended) major - On-campus and Online (Semester 1 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ACC1101	1	1			1	1	
FIN1101 Corporate Finance	1	1			1	1	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major stu dents)
ECO1000	1	1			1	1	
LAW1500 +	1	1			1	1	
ACC1105 #	1	2			1	2	
MKT1001 Marketing Fundamentals					1	2	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major stu dents)
STA1004 Fundamental Statistics for Accountants					1	2	Enrolment is not permitted in STA1004 if STA1003 or STA2300 or STA8170 or STA6200 has been previously completed
CIS1000 Digital Disruption £	1	2			1	2	
ACC2102 ^	2	1			2	1	
LAW2500 Commercial Property Law **					2	1	Pre-requisite: LAW1500. Students enrolled in one of the following Programs: BLAW or BABL or BALW or BBBL or BBLA or BCLW or BCLA or BCBL or LLBP or DJUR are not eligible for enrolment.
LAW3130	2	1			2	1	
MGT1000	2	1			2	1	
ACC2113 ##	2	2			2	2	
ACC2115	2	2			2	2	
LAW3131					2	2	
Minor/Elective Course	2	2			2	2	
ACC3116 Accounting and Society	3	1			3	1	Pre-requisite: ACC2115
ACC3118	3	1			3	1	
ACC3114					3	1	
Minor/Elective Course	3	1			3	1	
ACC3210 **					3	2	
ACC3300 Accounting Major Capstone *					3	2	
Minor/Elective Course	3	2			3	2	
Minor/Elective Course	3	2			3	2	

Footnotes

+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 .

Students who have successfully completed ACC3101 Accounting Information Systems should not complete ACC1105 Accounting Principles.

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

^ Students who have successfully completed ACC1102 Financial Accounting should not complete ACC2102 .
Springfield offer is not available in Semester 1, 2022.

** This course is offered online only.
Ipswich offer is not available in Semester 1, 2022.

Toowoomba offer is not available in Semester 2, 2022.

* Students who have completed LAW1101 as a Core Course will need to complete LAW2106 by cross-institutional study. Enrolment into ACC3300 Accounting Major Capstone is not required for these students. However, this course can be completed as an elective, subject to meeting pre-requisite requirements.

Accounting (Extended) major - On-campus and Online (Semester 2 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
LAW1500 +	1	2			1	2	
ACC1101	1	2			1	2	
FIN1101 Corporate Finance	1	2			1	2	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major stu dents)
ECO1000	1	2			1	2	
STA1004 Fundamental Statistics for Accountants	1	1			1	1	Enrolment is not permitted in STA1004 if STA1003 or STA2300 or STA8170 or STA6200 has been previously completed
CIS1000 Digital Disruption£	1	1			1	1	
MGT1000	1	1			1	1	
MKT1001 Marketing Fundamentals	1	1			1	1	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major stu dents)
ACC1105 #	2	2			2	2	
ACC2113 ##	2	2			2	2	
Minor/Elective Course	2	2			2	2	
Minor/Elective Course	2	2			2	2	
ACC2102 ^	2	1			2	1	
ACC3114 **					2	1	
LAW2500 Commercial Property Law**					2	1	Pre-requisite: LAW1500. Students enrolled in one of the following Programs: BLAW or BABL or BALW or BBBL or BBLA or BCLW or BCLA or BCBL or LLBP or DJUR are not eligible for enrolment.
LAW3130	2	1			2	1	
ACC2115	3	2			3	2	
LAW3131					3	2	
ACC3210					3	2	
Minor/Elective Course	3	2			3	2	
ACC3116 Accounting and Society	3	1			3	1	Pre-requisite: ACC2115
ACC3118	3	1			3	1	
ACC3300 Accounting Major Capstone*					3	1	
Minor/Elective Course	3	1			3	1	

Footnotes

+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 .

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Students who have successfully completed ACC3101 Accounting Information Systems should not complete ACC1105 .

Toowoomba offer is not available in Semester 2, 2022.

^ Students who have successfully completed ACC1102 Financial Accounting should not complete ACC2102 .

** This course is offered online only.
Ipswich offer is not available in Semester 1, 2022.

* Students who have completed law1101 as a Core Course will need to complete LAW2106 by cross-institutional study. Enrolment into ACC3300 Accounting Major Capstone is not required for these students. However, this course can be completed as an elective, subject to meeting pre-requisite requirements.

Business Administration major - Toowoomba campus and Online

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ACC1101	1	1			1	1	
MGT1000	1	1			1	1	
FIN1101 Corporate Finance	1	1			1	1	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major stu dents)
MKT1001 Marketing Fundamentals	1	1			1	1	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major stu dents)
CIS1000 Digital Disruption£	1	2			1	2	
STA1003 Fundamental Statistics	1	2			1	2	Enrolment is not permitted in STA1003 if S TA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertak ing the Accounting Major in the BBCM, are not eligible for enrolment.
Minor/elective/second major course	1	2			1	2	
CIS1101 Business Online	1	2			1	2	
ECO1000	2	1			2	1	
Minor/elective/second major course	2	1			2	1	
LAW1500 +	2	1			2	1	
Minor/elective/second major course	2	1			2	1	
MGT2002 Perspectives of Organisation	2	2			2	2	
Minor/elective/second major course	2	2			2	2	
Minor/elective/second major course	2	2			2	2	
Minor/elective/second major course	2	2			2	2	
MGT3005 Workforce Design	3	1			3	1	Enrolment is not permitted in MGT3005 if MGT2000 has been previously completed.
MGT2204 Business Ethics and Governance	3	1			3	1	
MGT3007 Building Intelligent Organisations~					3	1	Enrolment is not permitted in MGT3007 if MGT2008 and MGT3003 have been previ ously completed.
MGT2001 Risk Mitigation, Work Health and Safety	3	1			3	1	
MGT3201 Organisational Administration					3	2	
MGT3203 Project Management Processes	3	2			3	2	Enrolment is not permitted in MGT3203 if MGT2203 has been previously completed.
Minor/elective/second major course	3	2			3	2	
Minor/elective/second major course	3	2			3	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

\+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 Introduction to Business and Company Law

~ Students who have successfully completed MGT2008 Knowledge Management and Organisational Learning or MGT3200 Information Management should not complete MGT3007 Building Intelligent Organisations.

Business Economics major recommended enrolment pattern - Toowoomba campus and Online

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
LAW1500 +	1	1			1	1	
FIN1101 Corporate Finance	1	1			1	1	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major stu dents)
ECO1000	1	1			1	1	
ACC1101	1	1			1	1	
MKT1001 Marketing Fundamentals					1	2	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major stu dents)
STA1003 Fundamental Statistics	1	2			1	2	Enrolment is not permitted in STA1003 if S TA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertak ing the Accounting Major in the BBCM, are not eligible for enrolment.
FIN1103 Financial Markets	1	2			1	2	
Minor/elective/second major course	1	2			1	2	
ECO2001					2	1	
CIS1000 Digital Disruption£	2	1			2	1	
MGT1000	2	1			2	1	
Minor/elective/second major course	2	1			2	1	
POL2001 #	2	2			2	2	
ECO2000 The Macro-economy and Business					2	2	
Minor/elective/second major course	2	2			2	2	
Minor/elective/second major course	2	2			2	2	
ECO3020 Behavioural Economics					3	1	Pre-requisite: ECO1000 or ECO1002
ECO3010 International Economics and Trade					3	1	
Minor/elective/second major course	3	1			3	1	
Minor/elective/second major course	3	1			3	1	
Minor/elective/second major course	3	2			3	2	
ECO3002					3	2	
Minor/elective/second major course	3	2			3	2	
ECO3030 Sustainable Economies					3	2	

Footnotes

+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 .

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Toowoomba offer not available in Semester 2, 2022.

Finance major - On-campus and Online (Semester 1 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
LAW1500 +	1	1			1	1		

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
FIN1101 Corporate Finance	1	1			1	1	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major students)	
ECO1000	1	1			1	1		
ACC1101	1	1			1	1		
MKT1001 Marketing Fundamentals	1	2			1	2	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major students)	
STA1003 Fundamental Statistics	1	2			1	2	Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertaking the Accounting Major in the BBCM, are not eligible for enrolment.	
FIN1103 Financial Markets	1	2			1	2		
Minor/elective/second major course	1	2			1	2		
CIS1000 Digital Disruption£	2	1			2	1		
FIN2302 Financial Economics	2	1			2	1	Pre-requisite: FIN1101 and FIN1103	
MGT1000	2	1			2	1		
Minor/elective/second major course	2	1			2	1		
FIN2105 Portfolio Management	2	2			2	2	Pre-requisite: FIN1101 and FIN1103	
FIN2108 Credit Analysis and Lending Management	2	2			2	2	Pre-requisite: FIN1101	
Select one of the following two courses:								
ECO2000 The Macro-economy and Business					2	2		
FIN2106 Personal Financial Planning ##^*								Formerly FIN1106
Minor/elective/second major course	2	2			2	2		
FIN3106 International Finance	3	1			3	1	Pre-requisite: FIN1101	
FIN3109 Managing Financial Institutions	3	1			3	1	Pre-requisite: FIN1103	
Minor/elective/second major course	3	1			3	1		
Minor/elective/second major course	3	1			3	1		
FIN3101 Finance Theory and Applications	3	2			3	2	Pre-requisite: FIN1101 and FIN1103	
Minor/elective/second major course	3	2			3	2		
Minor/elective/second major course	3	2			3	2		
Minor/elective/second major course	3	2			3	2		

Footnotes

+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 .

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Springfield offer not available in Semester 1, 2022.

^ FIN2106 Personal Financial Planning is not recommended for international students.

* FIN2106 Personal Financial Planning is offered in semester 1. If you wish to study FIN2106, you should rearrange your enrolment.

Finance major - On-campus and Online (Semester 2 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC1101	1	2			1	2		
FIN1101 Corporate Finance	1	2			1	2	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major students)	
ECO1000	1	2			1	2		
FIN1103 Financial Markets	1	2			1	2		
STA1003 Fundamental Statistics	1	1			1	1	Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertaking the Accounting Major in the BBCM, are not eligible for enrolment.	
CIS1000 Digital Disruption£	1	1			1	1		
MKT1001 Marketing Fundamentals	1	1			1	1	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major students)	
LAW1500 +	1	1			1	1		
FIN2105 Portfolio Management	2	2			2	2	Pre-requisite: FIN1101 and FIN1103	
FIN2108 Credit Analysis and Lending Management	2	2			2	2	Pre-requisite: FIN1101	
MGT1000					2	2		
Minor/elective/second major course	2	2			2	2		
Minor/elective/second major course	2	1			2	1		
FIN2302 Financial Economics	2	1					Pre-requisite: FIN1101 and FIN1103	
Minor/elective/second major course	2	1			2	1		
Minor/elective/second major course	2	1			2	1		
FIN3101 Finance Theory and Applications	3	2			3	2	Pre-requisite: FIN1101 and FIN1103	
Select one of the following two courses:								
ECO2000 The Macro-economy and Business					3	2		
FIN2106 Personal Financial Planning^*								Formerly FIN1106
Minor/elective/second major course	3	2			3	2		
Minor/elective/second major course	3	2			3	2		
FIN3106 International Finance	3	1			3	1	Pre-requisite: FIN1101	
FIN3109 Managing Financial Institutions	3	1			3	1	Pre-requisite: FIN1103	
Minor/elective/second major course	3	1			3	1		
Minor/elective/second major course	3	1			3	1		

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 Introduction to Business and Company Law

^ FIN2106 Personal Financial Planning is not recommended for international students.

* FIN2106 Personal Financial Planning is offered in semester 1. If you wish to study FIN2106, you should rearrange your enrolment.

Human Resource Management - On-campus and Online (Semester 1 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ACC1101	1	1			1	1	
MGT1000	1	1			1	1	
FIN1101 Corporate Finance	1	1			1	1	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major stu dents)
MKT1001 Marketing Fundamentals	1	1			1	1	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major stu dents)
ECO1000	1	2			1	2	
STA1003 Fundamental Statistics	1	2			1	2	Enrolment is not permitted in STA1003 if S TA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertak ing the Accounting Major in the BBCM, are not eligible for enrolment.
Minor/elective/second major course‡	1	2			1	2	
MGT2002 Perspectives of Organisation	1	2			1	2	
LAW1500 +	2	1			2	1	
MGT1001 Cultivating Talent	2	1			2	1	
CIS1000 Digital Disruption£	2	1			2	1	
Minor/elective/second major course ‡	2	1			2	1	
MGT2004 Enhancing Performance	2	2			2	2	
Minor/elective/second major course ‡	2	2			2	2	
Minor/elective/second major course‡	2	2			2	2	
Minor/elective/second major course	2	2			2	2	
MGT2001 Risk Mitigation, Work Health and Safety	3	1			3	1	
MGT3005 Workforce Design	3	1			3	1	Enrolment is not permitted in MGT3005 if MGT2000 has been previously completed.
MGT3007 Building Intelligent Organisations†					3	1	Enrolment is not permitted in MGT3007 if MGT2008 and MGT3003 have been previ ously completed.
Minor/elective/second major course‡	3	1			3	1	
MGT3006 Employment Relations	3	2			3	2	Enrolment is not permitted in MGT3006 if MGT2006 has been previously completed.
Minor/elective/second major course‡	3	2			3	2	
MGT3002 Managing Change#	3	2, 3			3	2	
Minor/elective/second major course ‡	3	2			3	2	

Footnotes

‡ Students enrolled in the Human Resource Management major selecting an elective course are encouraged to enrol in PWE3000 in a Human Resource Management related project. PWE3000 is not available to international students regardless of location or mode of study as it is an

elective course. Australian regulations do not allow an elective work-based training course that is not a mandatory program requirement to be offered to international students.

+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 Introduction to Business and Company Law

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

† Students who have successfully completed MGT3003 Human Resource Performance Management or MGT2008 Knowledge Management and Organisational Learning should not complete MGT3007 Building Intelligent Organisations.

MGT3002 Managing Change is a capstone course and students should not enrol in MGT3002 until they have completed at least 6 of the other courses in the Human Resource Management major.

Human Resource Management - On-campus and Online (Semester 2 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ACC1101	1	2			1	2	
FIN1101 Corporate Finance	1	2			1	2	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major stu dents)
MGT1000	1	2			1	2	
ECO1000	1	2			1	2	
STA1003 Fundamental Statistics	1	1			1	1	Enrolment is not permitted in STA1003 if S TA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertak ing the Accounting Major in the BBCM, are not eligible for enrolment.
MKT1001 Marketing Fundamentals	1	1			1	1	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major stu dents)
Minor/elective/second major course	1	1			1	1	
MGT1001 Cultivating Talent	1	1			1	1	
CIS1000 Digital Disruption£	2	2			2	2	
MGT2002 Perspectives of Organisation	2	2			2	2	
LAW1500 +	2	2			2	2	
Minor/elective/second major course‡	2	2			2	2	
Minor/elective/second major course	2	1			2	1	
MGT2001 Risk Mitigation, Work Health and Safety	2	1			2	1	
Minor/elective/second major course ‡	2	1			2	1	
Minor/elective/second major course‡	2	1			2	1	
MGT3002 Managing Change#	3	2			3	2	
MGT3006 Employment Relations	3	2			3	2	Enrolment is not permitted in MGT3006 if MGT2006 has been previously completed.
Minor/elective/second major course‡	3	2			3	2	
MGT2004 Enhancing Performance	3	2			3	2	
MGT3007 Building Intelligent Organisations†					3	1	Enrolment is not permitted in MGT3007 if MGT2008 and MGT3003 have been previ ously completed.
MGT3005 Workforce Design	3	1			3	1	Enrolment is not permitted in MGT3005 if MGT2000 has been previously completed.
Minor/elective/second major course‡	3	1			3	1	
Minor/elective/second major course‡	3	1			3	1	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 Introduction to Business and Company Law

‡ Students enrolled in the Human Resource Management major selecting an elective course are encouraged to enrol in PWE3000 in a Human Resource Management related project. PWE3000 is not available to international students regardless of location or mode of study as it is an elective course. Australian regulations do not allow an elective work-based training course that is not a mandatory program requirement to be offered to international students.

MGT3002 Managing Change is a capstone course and students should not enrol in MGT3002 until they have completed at least 6 of the other courses in the Human Resource Management major.

† Students who have successfully completed MGT3003 Human Resource Performance Management or MGT2008 Knowledge Management and Organisational Learning should not complete MGT3007 Building Intelligent Organisations.

Management and Leadership major

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ACC1101	1	1			1	1	
MGT1000	1	1			1	1	
FIN1101 Corporate Finance	1	1			1	1	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major stu dents)
MKT1001 Marketing Fundamentals	1	1			1	1	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major stu dents)
ECO1000	1	2			1	2	
STA1003 Fundamental Statistics	1	2			1	2	Enrolment is not permitted in STA1003 if S TA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertak ing the Accounting Major in the BBCM, are not eligible for enrolment.
MGT2002 Perspectives of Organisation	1	2			1	2	
Minor/elective/second major course	1	2			1	2	
MGT2007 Leadership					2	1	
LAW1500 +	2	1			2	1	
CIS1000 Digital Disruption£	2	1			2	1	
Minor/elective/second major course	2	1			2	1	
MGT2004 Enhancing Performance^	2	2			2	2	
Minor/elective/second major course	2	2			2	2	
Minor/elective/second major course	2	2			2	2	
Minor/elective/second major course	2	2			2	2	
MGT3001 Global Management #	3	1			3	1	
MGT2204 Business Ethics and Governance	3	1			3	1	
MGT3007 Building Intelligent Organisations					3	1	Enrolment is not permitted in MGT3007 if MGT2008 and MGT3003 have been previ ously completed.
Minor/elective/second major course	3	1			3	1	
Minor/elective/second major course	3	2			3	2	
Minor/elective/second major course	3	2			3	2	
MGT3002 Managing Change	3	2, 3			3	2	
MGT3004 Creativity, Innovation and Entrepreneurship					3	2	

Footnotes

+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 Introduction to Business and Company Law.

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

^ Students who have successfully completed either MGT2004 People Development or MGT3003 Human Resource Performance Management should not complete MGT2004 Enhancing Performance.

Toowoomba offer not available in Semester 1, 2022.

Marketing major - On-campus and Online (Semester 1 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
MKT1001 Marketing Fundamentals	1	1			1	1	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major students)
MGT1000	1	1			1	1	
ACC1101	1	1			1	1	
FIN1101 Corporate Finance	1	1			1	1	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major students)
MKT1002 Consumer Psychology					1	2	
STA1003 Fundamental Statistics	1	2			1	2	Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertaking the Accounting Major in the BBCM, are not eligible for enrolment.
ECO1000	1	2			1	2	
CIS1000 Digital Disruption£	1	2			1	2	
Minor/elective/second major course	2	1			2	1	
LAW1500 +	2	1			2	1	
MKT2013 Digital Marketing and Branding	2	1			2	1	
MKT2015 Creating Marketing Value	2	1			2	1	Enrolment is not permitted in MKT2015 if MKT2012 has been previously completed.
Minor/elective/second major course	2	2			2	2	
MKT2014 Global Marketing*	2	2			2	2	Enrolment is not permitted in MKT2014 if MKT2002 has been previously completed.
MKT2001 Marketing Communications	2	2			2	2	
Minor/elective/second major course	2	2			2	2	
Minor/elective/second major course	3	1			3	1	
Minor/elective/second major course	3	1			3	1	
Minor/elective/second major course	3	1			3	1	
Minor/elective/second major course	3	1			3	1	
Minor/elective/second major course	3	2			3	2	
MKT3001 Marketing Intelligence	3	2			3	2	Pre-requisite: MKT1001
MKT3007 Marketing Strategy	3	2			3	2	Pre-requisite: MKT1001
MKT3008 Marketing Project					3	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 Introduction to Business and Company Law
Toowoomba offer not available in Semester 1, 2022.

* Students who have successfully completed MKT2002 Global Marketing, but not MKT2004 Marketing Channels must enrol in either MKT2015 Creating Marketing Value or MKT2013 Digital Marketing and Branding . Students who have successfully completed MKT2004 Marketing

Channels but not MKT2002 Global Marketing, must enrol in either MKT2015 Creating Marketing Value or MKT2013 Digital Marketing and Branding . Students who have successfully completed MKT2002 Global Marketing and MKT2004 Marketing Channels must select an elective.

Marketing major - On-campus and Online (Semester 2 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ACC1101	1	2			1	2	
FIN1101 Corporate Finance	1	2			1	2	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major stu dents)
MKT1001 Marketing Fundamentals	1	2			1	2	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major stu dents)
ECO1000	1	2			1	2	
STA1003 Fundamental Statistics	1	1			1	1	Enrolment is not permitted in STA1003 if S TA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertak ing the Accounting Major in the BBCM, are not eligible for enrolment.
MKT1002 Consumer Psychology	1	1			1	1	
MGT1000	1	1			1	1	
Minor/elective/second major course	1	1			1	1	
MKT2001 Marketing Communications	2	2			2	2	
MKT2014 Global Marketing *	2	2			2	2	Enrolment is not permitted in MKT2014 if MKT2002 has been previously completed.
LAW1500 +	2	2			2	2	
CIS1000 Digital Disruption £	2	2			2	2	
Minor/elective/second major course	2	1			2	1	
MKT2013 Digital Marketing and Branding	2	1			2	1	
MKT2015 Creating Marketing Value	2	1			2	1	Enrolment is not permitted in MKT2015 if MKT2012 has been previously completed.
Minor/elective/second major course	2	1			2	1	
MKT3007 Marketing Strategy	3	2			3	2	Pre-requisite: MKT1001
Minor/elective/second major course	3	2			3	2	
Minor/elective/second major course	3	2			3	2	
Minor/elective/second major course	3	2			3	2	
MKT3001 Marketing Intelligence	3	1			3	1	Pre-requisite: MKT1001
Minor/elective/second major course	3	1			3	1	
MKT3008 Marketing Project	3	1			3	1	
Minor/elective/second major course	3	1			3	1	

Footnotes

* Students who have successfully completed MKT2002 Global Marketing, but not MKT2004 Marketing Channels must enrol in either MKT2015 Creating Marketing Value or MKT2013 Digital Marketing and Branding . Students who have successfully completed MKT2004 Marketing Channels but not MKT2002 Global Marketing, must enrol in either MKT2015 Creating Marketing Value or MKT2013 Digital Marketing and Branding . Students who have successfully completed MKT2002 Global Marketing and MKT2004 Marketing Channels must select an elective.

\+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 Introduction to Business and Company Law

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Bachelor of Cyber Security (BCYS) - BCYS

	On-campus
Start:	Semester 1 (February) Semester 2 (July)
Campus:	Toowoomba
Fees:	Commonwealth supported place
Standard duration:	3 years full-time

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Program aims

The Bachelor of Cyber Security is a program that enables students to acquire a specialised level of knowledge and skills, underpinned by industry experience in Cyber Security, and embedded within industry. The program will provide students with skills in Cyber Security and broaden this knowledge into contemporary domains including audit and risk management, endpoint, web and cloud security, Internet of Things, and leading through influence.

Program objectives

The objectives of the Bachelor of Cyber Security are to enable graduates to:

- synthesise and apply Cyber Security specific knowledge, including emerging and re-emerging theories and concepts, to a range of industry contexts
- examine, analyse, implement, and articulate a range of innovative solutions to a variety of Cyber Security industry contexts
- apply specialised cognitive and certified technical skills to investigate, critically reflect and synthesise complex ideas at a pragmatic level
- effectively work in a project team environment by successfully contributing to a Cyber Security project in industry
- employ a range of oral, written, and digital literacies to transmit Cyber Security knowledge in professional and scholarly contexts to a diverse audience
- apply principles of integrity and high calibre ethical behaviour in accordance with academic, industry and professional standards

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity

of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 07. Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- The specified minimum entry requirement as determined by Australian Tertiary Admission Rank (ATAR), or equivalent qualification.^

- **This program is only available for Australian Defence Force Veterans registered with Soldier On.**
- English Language Proficiency requirements for Category 2.
- The pipeline for Veteran participants is managed by Soldier On. There will be an Expression of Interest advertised followed by a full meritorious interview process.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

^ These are determined by the University for specific programs each Semester. The 2023 ATAR and tertiary entrance ranks are based on agreed QTAC schedules which assess formal study at Year 12 or equivalent level, tertiary, preparatory, professional or vocational qualifications or work experience, as detailed in the QTAC Assessment of Qualifications Manual and QTAC Assessor Guidelines.

Adjustment factors may help you get into the program of your choice by increasing your entrance rank. The additional points don't apply to all applicants or all programs. Please read the information about UniSQ's Adjustment Factors carefully to find out what you may be eligible for.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Program structure

The Bachelor of Cyber Security is comprised of 24 units as below.

Area of Study	Number of units
Cyber Security Technical	8 units

Cyber Security Core	8 units
Professional Practice Major	8 units
Total	24 units

Cyber Security Technical

- CYS1000 Cyber Security Technical Industry Certification 1
- CYS1010 Cyber Security Technical Industry Certification 2

Cyber Security Core

- CYS3000 Cyber Security Leadership 1
- CYS3010 Cyber Security Leadership 2

Credit

Candidates for admission to the Bachelor of Cyber Security may be eligible for up to 8 units of credit on the basis of previous experience. Credit approved in this program will not automatically apply to other programs offered by UniSQ. Claims for credit for previous study should be submitted prior to or at the time of enrolment. Each claim will be assessed on individual merit in line with UniSQ policy.

Bachelor of Information Technology (BITC) - BIT

QTAC code (Australian and New Zealand applicants): Toowoomba campus: 903741; Online: 903745; Springfield campus: 923741

CRICOS code (International applicants): 007490J

	On-campus	Online
Start:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July) Semester 3 (November)
Campus:	Springfield, Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	3 years full-time, up to 6 years part-time	

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Professional accreditation

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

Program aims

The Bachelor of Information Technology is an industry-focused program, which provides students with the foundational knowledge to pursue a career in information technology. This program comprises the development of information technologies in organisations and IT-related communities.

Students will have the opportunity to specialise in Software Application Development, Artificial Intelligence and Data Science, or Networking and Cyber Security.

Program Rules

Students are required to:

- satisfactorily complete 24 credit points listed in the standard progression to graduate from the program. At least four units will be at level 3;.
- satisfactorily complete all courses within 9 years;
- maintain satisfactory academic achievement throughout the duration of the program, consistent with the UniSQ Student Academic Progress Procedure;

- meet the Inherent Requirements for the Bachelor of Information Technology.

Program objectives

At the completion of this program, students should be able to:

(1) incorporate concepts of professionalism, cultural awareness, and technical practice within the IT work environment;
(2) effectively communicate (both written and verbally) and employ appropriate interpersonal skills;
(3) understand and employ broad and coherent theoretical and technical knowledge with depth in one of the following discipline areas: software application development, artificial intelligence and data science, networking and cyber security;
(4) analyse, problem solve, generate and recommend solutions to unpredictable and sometimes complex ICT problems either individually or in teams;
(5) apply technical knowledge and skills to demonstrate autonomy, judgment and responsibility;
(6) apply effective project management tools and techniques to technology initiatives.

Major objectives

Software Application Development major

On completion of this major, students should be able to:

- display detailed knowledge of and be competent in the fundamentals of structured programming, and the application of basic algorithms and data structures;
- evaluate the difference between the major programming language paradigms, and be able to select the paradigm best suited to solve a problem;
- demonstrate sound knowledge of operating systems principles and implement virtualisation and containerisation solutions for software deployment;
- demonstrate a sound knowledge of web technology and techniques both at the client and the server side;
- evaluate and apply a range of methods for planning and managing large software projects and implement DevOps principles through design, development, deployment, and maintenance cycles;
- demonstrate detailed knowledge of the fundamental principles of database systems and be able to apply these using database software.

Artificial Intelligence and Data Science major

On completion of this major, students should be able to:

- demonstrate understanding of data modelling, storage, and retrieval methods and apply knowledge and skills to retrieve information from data storage;
- create solutions to data science problems either individually or in teams, by generating programs which apply programming strategies and data analysis techniques;
- apply effective data mining tools and techniques to technology initiatives;
- demonstrate academic and professional literacy by applying computer and mathematical skills to analyse algorithms and data structures;
- understand and employ broad and coherent theoretical and technical knowledge with depth in Artificial Intelligence (AI) & data science;
- analyse critically and reflect on the issues of privacy and ethics of Data Science.

Networking and Cyber Security major

On completion of this major, students should be able to:

- design, install, configure, troubleshoot, and maintain networks and their operating systems, including at least Linux and Windows;
- install, configure and manage computer networks, IT systems, users account, and security services and policy;
- demonstrate acquired skills in development of new systems to operate networks;

- interface networks with wide area networks (WANs) and newer network architectures;
- demonstrate understanding of Cyber Security and network security services;
- demonstrate sound knowledge of the Cyber security and the Cloud security.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 07. Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Have achieved a minimum Australian Tertiary Admission Rank (ATAR) of **58.9**, or equivalent qualification.
- English Language Proficiency requirements for Category 2.

Applicants are advised to also address the following:

- Assumed Knowledge expectations: English (Units 3 & 4, C).
- Artificial Intelligence and Data Science major: General Mathematics (Units 3 & 4, C) or equivalent.
- Recommended Prior Study:
  - Software Application Development and Networking and Cyber Security majors: General Mathematics (Units 3 & 4, C) or equivalent.
  - Artificial Intelligence and Data Science major: Mathematical Methods (Units 3 & 4, C) or equivalent.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Inherent requirements

There are inherent requirements for this program that must be met in order to complete the program and graduate. Make sure you read and understand the requirements for this program online.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place
Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place
International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

This program consists of 24 units comprised of:

- 8 Core units (6 common core courses and one 2nd year core course and one 3rd capstone project)
- 1 x 8-unit Major units

And either:

- 1 x 8 free choice elective units or
- 1 x 8 Second Major units: or
- 1 x 4 University-wide Minor units plus 1 x 4 Elective units

At least 4 courses in the program must be at level 3.

Note: Students who complete a double major in Software Application Development, and Artificial Intelligence and Data Science OR Software Application Development and Networking and Cyber Security will, as a part of the BITC program, complete one (1) elective course. This is due to a one (1) course overlap of the majors.

Required time limits

Students have a maximum of 9 years to complete this program.

Core courses

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
MAT1101 Discrete Mathematics for Computing	1	1	1
CSC1401 Foundation Programming[£]	1,2,3	1,2,3	1,2
CSC1030 Systems and Data Management Fundamentals	1,2	1,2	1,2
CMS1100 Communicating in the Sciences	1,2	1	
CSC1050 Network and Security Fundamentals	1,2	1,2	1,2

CSC1060 Data Analytics Fundamentals	1,2	1,2	1,2
CSC3600 ICT Professional Project	1,2	1,2	1,2
CSC2000 Planning a Career in the ICT Industry*	2	2	2

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* First offer in 2024 academic year

Major studies

All students in the Bachelor of Information Technology must complete at least one major study. A major study is a set of courses that make up a coherent, in-depth study of a specific discipline.

Double Major Studies

Students may choose to complete two majors from the Bachelor of Information Technology or they may choose to complete a second 8-unit major from the undergraduate degree programs in the area of Business, Law or Sciences. Alternatively, they may choose a major from the undergraduate degree programs in another area at the University of Southern Queensland. A program in which there is a first and second major is known as a 'double major'. Where a second major from another program contains less than 8 units, students must complete extra elective units, chosen from undergraduate courses offered at the University of Southern Queensland to ensure that their program contains 24 units in total. The sets of courses that make up each major in the Bachelor of Information Technology are summarised in the following tables:

Software Application Development Major

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CSC1410 Software Engineering Foundations	2	2	2
CSC1420 Programming 2: Algorithms and Structures*	1	1	1
CSC2406 Web Technology 1	1	1	1
CSC2402 Object-Oriented Programming in C++	1	1	1
CSC2460 Database Systems*	1	1	1
CSC3430 Systems Servers and DevOps^	1	1	1
CSC3403 Comparative Programming Languages	1	1	1
CSC3480 Web Technology 2: Full Stack^	2	2	2

Footnotes

* First offer in 2024 academic year

^ First offer in 2025 academic year

Artificial Intelligence and Data Science Major

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
STA1003 Fundamental Statistics§	1,2,3	1,2	2
CSC2220 Artificial Intelligence^	1	1	1
CSC2230 Big Data Management and Analytics*	2	2	2
CSC2460 Database Systems*	1	1	1
CSC3501 Principles of Data Science and Visualisation	2	2	2
STA3200 Multivariate Statistical Methods	1	1	1
CSC3250 Pattern Recognition and Machine Learning^	1,2,3	1,2,3	1,2,3
CSC3260 Data Mining Applications^	2	2	2

Footnotes

§ Unavailable online in S3 2023
^ First offer in 2025 academic year
* First offer in 2024 academic year

Networking and Cyber Security Major

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CSC1310 Networking 1: Internetworking	1,2	1,2	1,2
CSC2320 Security 1: Cybersecurity Foundations	1,2	1,2	1,2
CSC2330 Securing Networked Applications*	1	1	1
CSC3430 Systems Servers and DevOps^	1	1	1
CSC3427 Switching, Wireless and WAN Technologies	1,2	1,2	1,2
CSC3360 Networking 3: Wireless Networking and Security^	1	1	1

CSC3370 Security 2: Advanced Security and Security Management^	2	2	2
CSC3413 Network Design and Analysis	2	2	2

Footnotes

* First offer in 2024 academic year
^ First offer in 2025 academic year

Electives/Approved courses

Elective courses enable students to further increase their knowledge and widen their perspectives. Students can choose up to 8 electives that can be selected from any program at undergraduate Levels 1, 2 and 3 offered by UniSQ. Choice of an elective will depend on the availability of the course(s), timetabling constraints, any specified pre-requisite and quotas. Students may consult the Program Director for a recommendation.

IT requirements

For information technology requirements please refer to the minimum computing standards. Students will be required to install the Linux operating system as well as a Microsoft Windows operating system. Students may use other platforms, however it is not mandatory, therein UniSQ might not provide the support.

Articulation

Students enrolled in the joint Diploma of Information Technology/Bachelor of Information Technology must complete the Diploma at TAFE Queensland before continuing enrolment at UniSQ.

Exit points

Students who, for whatever reason, are unable to complete the Bachelor of Information Technology may exit with a Diploma of Information Technology (DITC) if they have completed 8 courses as follows:

- at least 2 core courses from the Bachelor of Information Technology
- 6 other courses from the Bachelor of Information Technology.

Please note that students who exit with the Diploma of Information Technology (DITC) may need to undertake further study to be eligible for membership of the Australian Computer Society.

Credit

Exemption/credit will be assessed based on the UniSQ Credit and Exemption Procedure.

Enrolment

Students are advised to consult with Student support in situations where their progression is affected either by failure in pre-requisite courses, or where they choose a part-time study pattern.

Recommended Enrolment Patterns

Students should plan their enrolment making sure that they have fulfilled all core, major, minor and elective requirements as shown in the program structure information. Enrolment requirements must be satisfied before enrolling in a course.

Recommended Enrolment Pattern – Software Application Development Semester 1 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
MAT1101 Discrete Mathematics for Computing	1	1			1	1	
CMS1100 Communicating in the Sciences	1	1			1	1	
CSC1401 Foundation Programming£	1	1			1	1	
CSC1030 Systems and Data Management Fundamentals	1	1			1	1	
CSC1050 Network and Security Fundamentals	1	2			1	2	
CSC1060 Data Analytics Fundamentals	1	2			1	2	
CSC1410 Software Engineering Foundations	1	2			1	2	Pre-requisite: CSC1401
Second Major/UniSQ Minor/Elective Course 1	1	2			1	2	
CSC1420 Programming 2: Algorithms and Structures*	2	1			2	1	
CSC2460 Database Systems*	2	1			2	1	
Second Major/UniSQ Minor/Elective Course 2	2	1			2	1	
CSC2402 Object-Oriented Programming in C++	2	1			2	1	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN
CSC2000 Planning a Career in the ICT Industry*	2	2			2	2	
Second Major/UniSQ Minor/Elective Course 3	2	2			2	2	
Second Major/UniSQ Minor/Elective Course 4	2	2			2	2	
Second Major/UniSQ Minor/Elective Course 5	2	2			2	2	
CSC3403 Comparative Programming Languages	3	1			3	1	Pre-req: CSC2408; and Pre-req or Co-req: CSC2402; or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or M CTE or MCOP or MPIT Enrolment is not permitted in CSC3403 if CIS3001 has been previously completed
CSC3430 Systems Servers and DevOps^	3	1			3	1	
CSC2406 Web Technology 1	3	1			3	1	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: UCCC or GDTI or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN or B SED
Second Major/UniSQ Minor/Elective Course 6	3	1			3	1	
CSC3480 Web Technology 2: Full Stack^	3	2			3	2	
Second Major/UniSQ Minor/Elective Course 7	3	2			3	2	
Second Major/UniSQ Minor/Elective Course 8	3	2			3	2	
CSC3600 ICT Professional Project	3	2			3	2	Students enrolled from 2023 - Pre-requisite: CSC2000 and at least 16 courses including six other BITC core courses Students en rolled prior to 2023 - Pre-requisite: CIS3002 and at least 16 courses including seven other BITC core courses

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* First offer in 2024 academic year

^ First offer in 2025 academic year

Recommended Enrolment Pattern – Software Application Development Semester 2 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CSC1401 Foundation Programming£	1	2			1	2	
CSC1030 Systems and Data Management Fundamentals	1	2			1	2	
CSC1050 Network and Security Fundamentals	1	2			1	2	
CSC1060 Data Analytics Fundamentals	1	2			1	2	
MAT1101 Discrete Mathematics for Computing	2	1			2	1	
CMS1100 Communicating in the Sciences	2	1			2	1	
CSC1420 Programming 2: Algorithms and Structures*	2	1			2	1	
Second Major/UniSQ Minor/Elective Course 1	2	1			2	1	
CSC2000 Planning a Career in the ICT Industry*	2	2			2	2	
CSC1410 Software Engineering Foundations	2	2			2	2	Pre-requisite: CSC1401
CSC2406 Web Technology 1	2	2			2	2	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: UCCC or GDTI or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN or B SED
Second Major/UniSQ Minor/Elective Course 2	2	2			2	2	
CSC2402 Object-Oriented Programming in C++	3	1			3	1	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN
CSC3430 Systems Servers and DevOps^	3	1			3	1	
Second Major/UniSQ Minor/Elective Course 3	3	1			3	1	
Second Major/UniSQ Minor/Elective Course 4	3	1			3	1	
CSC3480 Web Technology 2: Full Stack^	3	2			3	2	
Second Major/UniSQ Minor/Elective Course 5	3	2			3	2	
Second Major/UniSQ Minor/Elective Course 6	3	2			3	2	
Second Major/UniSQ Minor/Elective Course 7	3	2			3	2	
CSC3600 ICT Professional Project	4	1			4	1	Students enrolled from 2023 - Pre-requisite: CSC2000 and at least 16 courses including six other BITC core courses Students en rolled prior to 2023 - Pre-requisite: CIS3002 and at least 16 courses including seven other BITC core courses
CSC2460 Database Systems*	4	1			4	1	
CSC3403 Comparative Programming Languages	4	1			4	1	Pre-req: CSC2408; and Pre-req or Co-req: CSC2402; or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or M CTE or MCOP or MPIT Enrolment is not permitted in CSC3403 if CIS3001 has been previously completed
Second Major/UniSQ Minor/Elective Course 8	4	1			4	1	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* First offer in 2024 academic year

^ First offer in 2025 academic year

Recommended Enrolment Pattern – Artificial Intelligence and Data Science Semester 1 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
MAT1101 Discrete Mathematics for Computing	1	1			1	1	
CMS1100 Communicating in the Sciences	1	1			1	1	
CSC1401 Foundation Programming£	1	1			1	1	
CSC1030 Systems and Data Management Fundamentals	1	1			1	1	
CSC1050 Network and Security Fundamentals	1	2			1	2	
CSC1060 Data Analytics Fundamentals	1	2			1	2	
STA1003 Fundamental Statistics§	1	2			1	2	Enrolment is not permitted in STA1003 if S TA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertak ing the Accounting Major in the BBCM, are not eligible for enrolment.
Second Major/UniSQ Minor/Elective Course 1	1	2			1	2	
STA3200 Multivariate Statistical Methods	2	1			2	1	Pre-requisite: STA2300 or STA1003 Enrol ment is not permitted in STA3200 if S TA8005 or STA6100 have been previously completed
CSC2460 Database Systems*	2	1			2	1	
Second Major/UniSQ Minor/Elective Course 2	2	1			2	1	
Second Major/UniSQ Minor/Elective Course 3	2	1			2	1	
CSC2230 Big Data Management and Analytics*	2	2			2	2	
Second Major/UniSQ Minor/Elective Course 4	2	2			2	2	
CSC2000 Planning a Career in the ICT Industry*	2	2			2	2	
Second Major/UniSQ Minor/Elective Course 5	2	2			2	2	
CSC3250 Pattern Recognition and Machine Learning^	3	1			3	1	
CSC2220 Artificial Intelligence^	3	1			3	1	
Second Major/UniSQ Minor/Elective Course 6	3	1			3	1	
Second Major/UniSQ Minor/Elective Course 7	3	1			3	1	
CSC3501 Principles of Data Science and Visualisation	3	2			3	2	Pre-requisite: STA3200
CSC3260 Data Mining Applications^	3	2			3	2	
Second Major/UniSQ Minor/Elective Course 8	3	2			3	2	
CSC3600 ICT Professional Project	3	2			3	2	Students enrolled from 2023 - Pre-requisite: CSC2000 and at least 16 courses including six other BITC core courses Students en rolled prior to 2023 - Pre-requisite: CIS3002 and at least 16 courses including seven other BITC core courses

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

§ Unavailable online in S3 2023

* First offer in 2024 academic year

^ First offer in 2025 academic year

Recommended Enrolment Pattern – Artificial Intelligence and Data Science Semester 2 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CSC1401 Foundation Programming£	1	2			1	2	
CSC1030 Systems and Data Management Fundamentals	1	2			1	2	
CSC1050 Network and Security Fundamentals	1	2			1	2	
CSC1060 Data Analytics Fundamentals	1	2			1	2	
MAT1101 Discrete Mathematics for Computing	2	1			2	1	
CMS1100 Communicating in the Sciences	2	1			2	1	
STA1003 Fundamental Statistics§	2	1			2	1	Enrolment is not permitted in STA1003 if S TA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertak ing the Accounting Major in the BBCM, are not eligible for enrolment.
Second Major/UniSQ Minor/Elective Course 1	2	1			2	1	
CSC2000 Planning a Career in the ICT Industry*	2	2			2	2	
CSC2230 Big Data Management and Analytics*	2	2			2	2	
Second Major/UniSQ Minor/Elective Course 2	2	2			2	2	
Second Major/UniSQ Minor/Elective Course 3	2	2			2	2	
CSC2220 Artificial Intelligence^	3	1			3	1	
CSC2460 Database Systems*	3	1			3	1	
STA3200 Multivariate Statistical Methods	3	1			3	1	Pre-requisite: STA2300 or STA1003 Enrol ment is not permitted in STA3200 if S TA8005 or STA6100 have been previously completed
Second Major/UniSQ Minor/Elective Course 4	3	1			3	1	
CSC3250 Pattern Recognition and Machine Learning^	3	2			3	2	
CSC3260 Data Mining Applications^	3	2			3	2	
CSC3501 Principles of Data Science and Visualisation	3	2			3	2	Pre-requisite: STA3200
Second Major/UniSQ Minor/Elective Course 5	3	2			3	2	
CSC3600 ICT Professional Project	4	1			4	1	Students enrolled from 2023 - Pre-requisite: CSC2000 and at least 16 courses including six other BITC core courses Students en rolled prior to 2023 - Pre-requisite: CIS3002 and at least 16 courses including seven other BITC core courses
Second Major/UniSQ Minor/Elective Course 6	4	1			4	1	
Second Major/UniSQ Minor/Elective Course 7	4	1			4	1	
Second Major/UniSQ Minor/Elective Course 8	4	1			4	1	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

§ Unavailable online in S3 2023

* First offer in 2024 academic year

^ First offer in 2025 academic year

Recommended Enrolment Pattern – Networking and Cyber Security Semester 1 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
MAT1101 Discrete Mathematics for Computing	1	1			1	1	
CMS1100 Communicating in the Sciences	1	1			1	1	
CSC1401 Foundation Programming£	1	1			1	1	
CSC1030 Systems and Data Management Fundamentals	1	1			1	1	
CSC1050 Network and Security Fundamentals	1	2			1	2	
CSC1060 Data Analytics Fundamentals	1	2			1	2	
CSC1310 Networking 1: Internetworking	1	2			1	2	Pre-requisite: CSC1050
Second Major/UniSQ Minor/Elective Course 1	1	2			1	2	
CSC2330 Securing Networked Applications*	2	1			2	1	
CSC3427 Switching, Wireless and WAN Technologies	2	1			2	1	Pre-requisite: CSC3407 or CSC1310 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT
Second Major/UniSQ Minor/Elective Course 2	2	1			2	1	
Second Major/UniSQ Minor/Elective Course 3	2	1			2	1	
CSC2320 Security 1: Cybersecurity Foundations	2	2			2	2	Pre-requisite: CSC1050
CSC2000 Planning a Career in the ICT Industry*	2	2			2	2	
Second Major/UniSQ Minor/Elective Course 4	2	2			2	2	
Second Major/UniSQ Minor/Elective Course 5	2	2			2	2	
CSC3360 Networking 3: Wireless Networking and Security^	3	1			3	1	
Second Major/UniSQ Minor/Elective Course 6	3	1			3	1	
Second Major/UniSQ Minor/Elective Course 7	3	1			3	1	
CSC3430 Systems Servers and DevOps^	3	1			3	1	
CSC3413 Network Design and Analysis	3	2			3	2	Pre-requisite: CSC3412
CSC3370 Security 2: Advanced Security and Security Management^	3	2			3	2	
Second Major/UniSQ Minor/Elective Course 8	3	2			3	2	
CSC3600 ICT Professional Project	3	2			3	2	Students enrolled from 2023 - Pre-requisite: CSC2000 and at least 16 courses including six other BITC core courses Students enrolled prior to 2023 - Pre-requisite: CIS3002 and at least 16 courses including seven other BITC core courses

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* First offer in 2024 academic year

^ First offer in 2025 academic year

Recommended Enrolment Pattern – Networking and Cyber Security Semester 2 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CSC1401 Foundation Programming£	1	2			1	2	
CSC1030 Systems and Data Management Fundamentals	1	2			1	2	
CSC1050 Network and Security Fundamentals	1	2			1	2	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CSC1060 Data Analytics Fundamentals	1	2			1	2	
MAT1101 Discrete Mathematics for Computing	2	1			2	1	
CMS1100 Communicating in the Sciences	2	1			2	1	
CSC1310 Networking 1: Internetworking	2	1			2	1	Pre-requisite: CSC1050
Second Major/UniSQ Minor/Elective Course 1	2	1			2	1	
CSC2000 Planning a Career in the ICT Industry*	2	2			2	2	
CSC2320 Security 1: Cybersecurity Foundations	2	2			2	2	Pre-requisite: CSC1050
CSC3427 Switching, Wireless and WAN Technologies	2	2			2	2	Pre-requisite: CSC3407 or CSC1310 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT
Second Major/UniSQ Minor/Elective Course 2	2	2			2	2	
CSC2330 Securing Networked Applications*	3	1			3	1	
Second Major/UniSQ Minor/Elective Course 3	3	1			3	1	
Second Major/UniSQ Minor/Elective Course 4	3	1			3	1	
Second Major/UniSQ Minor/Elective Course 5	3	1			3	1	
CSC3370 Security 2: Advanced Security and Security Management^	3	2			3	2	
CSC3413 Network Design and Analysis	3	2			3	2	Pre-requisite: CSC3412
Second Major/UniSQ Minor/Elective Course 6	3	2			3	2	
Second Major/UniSQ Minor/Elective Course 7	3	2			3	2	
CSC3360 Networking 3: Wireless Networking and Security^	4	1			4	1	
CSC3430 Systems Servers and DevOps^	4	1			4	1	
CSC3600 ICT Professional Project	4	1			4	1	Students enrolled from 2023 - Pre-requisite: CSC2000 and at least 16 courses including six other BITC core courses Students enrolled prior to 2023 - Pre-requisite: CIS3002 and at least 16 courses including seven other BITC core courses
Second Major/UniSQ Minor/Elective Course 8	4	1			4	1	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* First offer in 2024 academic year

^ First offer in 2025 academic year

Bachelor of Science or Bachelor of Science (Psychology) (BSCIorBSCP) - BSc or BSci(Psychology)

QTAC code (Australian and New Zealand applicants): Mathematics & Statistics (Toowoomba campus: 906351; External: 906355); Wine Science (Toowoomba campus: 906115); Plant Agricultural Science (Toowoomba campus: 906991; External: 906995); Food Science (Toowoomba campus: 906981; External: 906985); Wildlife Management (Toowoomba campus: 907431; External: 907435); Information Technology (Toowoomba campus: 906791; External: 906795); Mathematics (Toowoomba campus: 906881; Online: 906885); Statistics (Toowoomba campus: 906201; External: 906205; Ipswich campus: 936201); Biology (Toowoomba campus: 906831; External: 906835); Environment & Sustainability (Toowoomba campus: 906261; External: 906265); Computing (Toowoomba campus: 906761; External: 906765); Physical Sciences (External: 906125); Astronomical & Space Sciences (External: 906665); Human Physiology (Toowoomba campus: 906821; External: 906825); Counselling (Toowoomba campus: 906551; External: 906555; Ipswich campus: 936551); Animal Science (Toowoomba campus: 906771; External: 906775)

CRICOS code (International applicants): 042230E

	On-campus#^~&@^^**	**External***	**Online†**
Start:	Semester 1 (February) Semester 2 (July) Semester 3 (November)	Semester 1 (February) Semester 2 (July) Semester 3 (November)	Semester 1 (February) Semester 2 (July) Semester 3 (November)
Campus:	Ipswich, Toowoomba		-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Residential school:		Toowoomba, Ipswich	
Standard duration:	3 years full-time, 6 years part-time, 9 years maximum		

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Footnotes

** Information Technology major is available at UniSQ Toowoomba and Online. This major is available to international students residing off-campus in Australia or for international students studying overseas.

The BSCP —Psychology Extended major (16 units) is only available on campus at UniSQ Ipswich for a Semester 1 entry. Students can complete this extended major at other campuses through a mixture of on-campus and online courses. The BSCP Psychology major (12 units) is offered on campus at UniSQ Ipswich and Toowoomba and online.

^ Psychology and Psychology Extended are the only majors available at UniSQ Ipswich. Both majors are also offered at UniSQ Toowoomba. Psychology Extended major is also offered externally.

~ Mathematics and Statistics Extended, Computing, Geospatial Science, Mathematics and Statistics (8-unit), Environment and Sustainability majors are available at UniSQ Toowoomba and externally. These majors are available to international on-campus students as long as the student meets the on-campus requirement through minor/elective/2nd major courses. All majors are available to international students residing off-campus in Australia. These majors are unsuitable for international students studying overseas.

& Wildlife Management, Biology, Food Science, Human Physiology, Plant Agricultural Science, Animal Science majors are available at UniSQ Toowoomba and externally, with residential schools held at UniSQ Toowoomba or off-site. These majors are available to international on-campus students as long as the student meets the on-campus requirement through minor/elective/2nd major courses. These majors are available to international students residing off-campus in Australia, however, there are attendance requirements at multiple residential schools held at UniSQ Toowoomba throughout the duration of the program. These majors are unsuitable for international students studying overseas.

@ Not all majors are available to commence in Semester 3 at UniSQ Toowoomba.

^^ Please refer to the Program Structure for further information on the intakes available for each major and their appropriateness for International On-Campus Students.

* Astronomical and Space Sciences, Physics and Wine Science majors are only offered by external mode. All majors are available to international students residing off-campus in Australia, however, there are attendance requirements at multiple residential schools held at UniSQ Toowoomba

throughout the duration of the programs. The residential schools for the Wine Science majors are held off-site at Stanthorpe. These majors are unsuitable for international students studying overseas.

† Psychology and Information Technology majors are the only majors offered Online.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Professional accreditation

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

The Bachelor of Science (Psychology and Psychology Extended) (BSCP) majors are fully accredited by the Australian Psychology Accreditation Council as providing the first three years of the necessary requirements for full registration as a psychologist.

Program aims

Program Rules

Students are required to:

- Satisfactorily complete 24 credit points (total units) as listed in the program structure in order to graduate from the program. At least four units will be at level 3 and 16 units will be approved Science courses;
- Complete the courses in the program satisfactorily within 9 years of commencement of the program;
- Maintain satisfactory academic achievement throughout the duration of the program, consistent with the UniSQ Student Academic Progress Procedure
- Meet all mandatory residential school requirements where present in a course.
- Meet the Inherent Requirements for the relevant major.

Program objectives

On completion of this program students should be able to:

- Exhibit a broad and coherent knowledge base, with a level of depth in one or more science disciplines, suitable to undertake professional work and/or further study.
- Apply a range of cognitive and technical skills which reflect the underlying principles of one or more science disciplines.
- Display well developed cognitive, technical and communication skills to select and apply relevant methods and technologies and present information to a range of audiences.
- Critically analyse, consolidate and evaluate information to construct and implement solutions to unpredictable and complex problems.
- Work autonomously and collaboratively to construct and implement problem solving paradigms to address relevant issues.
- Apply well directed judgement and responsibility, in diverse contexts, which are consistent with the social, moral and legal responsibilities of professional scientists.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- The specified minimum entry requirement as determined by Australian Tertiary Admission Rank (ATAR), or equivalent qualification.^

- English Language Proficiency requirements for Category 2.

Additional pre-requisites and recommended prior study for individual majors

Animal Science (8 unit major)

Subject Pre-requisite: General Mathematics (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.

Astronomical and Space Sciences (12 unit major)

Subject Pre-requisite: Mathematical Methods (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.
- Recommended prior study: One of Biology, Chemistry or Physics or equivalent.

Biology (8 unit major)

Subject Pre-requisite: General Mathematics (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.
- Recommended prior study: Mathematical Methods and one of Biology, Chemistry or Physics or equivalent. If students do not have the recommended Mathematical Methods Level for entry then they will be required to undertake MAT1000 Mathematics Fundamentals as an elective.

Computing (8 unit major)

Subject Pre-requisite: General Mathematics (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.
- Recommended prior study: Mathematical Methods* or equivalent.

* UniSQ College has courses available via Tertiary Preparation Program which will allow students to up-skill in Mathematics prior to entry.

Environment and Sustainability (8 unit major)

Subject Pre-requisite: General Mathematics (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.
- Recommended prior study: Mathematical Methods and one of Biology, Chemistry or Physics or equivalent. If students do not have the recommended Mathematical Methods Level for entry then they will be required to undertake MAT1000 Mathematics Fundamentals as an elective.

Food Science (8 unit major)

Subject Pre-requisite: General Mathematics (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.

- Recommended prior study: Mathematical Methods and one of Biology, Chemistry or Physics or equivalent. If students do not have the recommended Mathematical Methods Level for entry then they will be required to undertake MAT1000 Mathematics Fundamentals as an elective.

Geospatial Science (8 unit major)

Subject Pre-requisite: Mathematical Methods (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.
- Recommended: Biology, Chemistry, Physics or Equivalent (3 & 4, C)

Human Physiology (8 unit major)

Subject Pre-requisite: General Mathematics (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.
- Recommended prior study: Mathematical Methods and one of Biology, Chemistry or Physics or equivalent. If students do not have the recommended Mathematical Methods Level for entry then they will be required to undertake MAT1000 Mathematics Fundamentals as an elective.

Information Technology (12 unit major)

Subject Pre-requisite: General Mathematics (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.
- Recommended Prior Study: Mathematical Methods * or equivalent.

* UniSQ College has courses available via Tertiary Preparation Program which will allow students to up-skill in Mathematics prior to entry.

Mathematics and Statistics (8 unit major)

Subject Pre-requisite: Mathematical Methods (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.

Mathematics and Statistics Extended (12 unit major)

Subject Pre-requisite: Mathematical Methods (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.

Physics (8 unit major)

Subject Pre-requisite: Mathematical Methods (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.
- Recommended prior study: One of Biology, Chemistry or Physics or equivalent.

Plant Agricultural Science (8 unit major)

Subject Pre-requisite: General Mathematics (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.

- Recommended Prior Study: Mathematical Methods and one of Biology, Chemistry or Physics or equivalent. If students do not have the recommended Mathematical Methods Level for entry then they will be required to undertake MAT1000 Mathematics Fundamentals as an elective.

BSCP - Psychology (12 unit major)

Applicants are advised to also address the following:

- Assumed knowledge expectations: English; General Mathematics or equivalent.

BSCP - Psychology Extended (16 unit major)

Applicants are advised to also address the following:

- Assumed knowledge expectations: English; General Mathematics or equivalent.

Wildlife Management (8 unit major)

Subject Pre-requisite: General Mathematics (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.
- Recommended prior study: Mathematical Methods and one of Biology, Chemistry or Physics or equivalent. If students do not have the recommended Mathematical Methods Level for entry then they will be required to undertake MAT1000 Mathematics Fundamentals as an elective.

Wine Science (8 unit major)

Subject Pre-requisite: General Mathematics (Units 3 & 4, C) or equivalent.

Applicants are advised to also address the following:

- Assumed knowledge expectations: English.
- Recommended prior study: Mathematical Methods and one of Biology, Chemistry or Physics or equivalent. If students do not have the recommended Mathematical Methods Level for entry then they will be required to undertake MAT1000 Mathematics Fundamentals as an elective.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

^ These are determined by the University for specific programs each Semester. The 2023 ATAR and tertiary entrance ranks are based on agreed QTAC schedules which assess formal study at Year 12 or equivalent level, tertiary, preparatory, professional or vocational qualifications or work experience, as detailed in the QTAC Assessment of Qualifications Manual and QTAC Assessor Guidelines.

Adjustment factors may help you get into the program of your choice by increasing your entrance rank. The additional points don't apply to all applicants or all programs. Please read the information about UniSQ's Adjustment Factors carefully to find out what you may be eligible for.

Requirements for professional experience placements

Practical experience is an integral component of the Wildlife Management major and each student is required to undertake and satisfactorily complete 105 hours of practical experience.

Progression into practical courses is dependent upon a pass grade in theoretical and other practical courses which have been set as prerequisites.

Applicants must be willing to undertake and submit the University of Southern Queensland requirements for practical placement.

Please refer to the applicable Professional Placement Handbook for Wildlife Management students.

Mandatory documents required prior to commencing industry placement:

- Resume
- UniSQ Student Declaration
- UniSQ Placement Request Form
- Vaccinations for Q fever, Tetanus and Hepatitis B

Requirements for Work-Integrated-Learning courses

Practical experience is an integral component of the Bachelor of Science and each student is required to undertake and satisfactorily complete 15-30 days of practical experience (depending on major).

In order to enrol in SCI3302 Work-Integrated-Learning, students must have completed the equivalent of the first two years of study in the program successfully.

Applicants must be willing to undertake and submit the University of Southern Queensland requirements for practical placement.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

Major	On-campus Toowoomba Intake			On-campus Ipswich Intake			External Intake			Online Intake		
	S1	S2	S3	S1	S2	S3	S1	S2	S3	S1	S2	S3
BSCP - Psychology Extended (16-unit major)	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes	Yes	Yes			

Mathematics and Statistics Extended (12-unit major)	Yes*	Yes*	Yes*				Yes	Yes	Yes			
Mathematics and Statistics (8-unit major)	Yes*	Yes*	Yes*				Yes	Yes	Yes			
Information Technology (12-unit major)	Yes*	Yes*	Yes*							Yes	Yes	Yes
Computing (8-unit major)	Yes*	Yes*	Yes*				Yes	Yes	Yes			
Astronomical and Space Sciences (12-unit major)							Yes	Yes	Yes			
Physics (8-unit major)							Yes	Yes	Yes			
BSCP - Psychology (12-unit major)	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*				Yes	Yes	Yes
Animal Science (8-unit major)	Yes*	Yes*	Yes*				Yes	Yes	Yes			
Biology (8-unit major)	Yes*	Yes*	Yes*				Yes	Yes	Yes			
Environment and Sustainability (8-unit major)	Yes*	Yes*	Yes*				Yes	Yes	Yes			
Food Science (8-unit major)	Yes*	Yes*	Yes*				Yes	Yes	Yes			

Geospatial Science (8-unit major)	Yes*	Yes*	Yes*				Yes	Yes	Yes			
Human Physiology (8-unit major)	Yes*	Yes*	Yes*				Yes	Yes	Yes			
Plant Agricultural Science (8-unit major)	Yes*	Yes*	Yes*				Yes	Yes	Yes			
Wildlife Management (8-unit major)	Yes*	Yes*	Yes*				Yes	Yes	Yes			
Wine Science (8-unit major)							Yes	Yes	Yes			

Footnotes

* This major and intake is available to International On-Campus Students.

The Bachelor of Science consists of 24 units comprising 4 core unit courses , with a primary major of minimum 8 units, and 12 units of approved student selected courses.

At least four courses in the program will be at level 3. Each major will require a minimum number of level 3 courses (coded 3000) to meet the depth requirements of the major. Where two majors are chosen which have some compulsory courses in common, the overlap will be made up by taking extra major approved courses defined in those majors.

Area of Study	**Number of Units**
Option 1	
Core Courses	4 units
8–unit primary major: • Animal Science • Biology • Computing • Environment and Sustainability • Food Science • Geospatial Science • Human Physiology • Mathematics and Statistics • Physics • Plant Agricultural Science • Wine Science • Wildlife Management	8 units

Plus one of the following options: • 8-unit secondary major + 4 electives; or • 2 x 4-unit discipline minors + 4 electives; or • 1 x 4-unit discipline minor and 1 x 4-unit University minor + 4 electives; or • 1 x 4-unit discipline minor and 4 x electives + 4 electives; or • 12 approved electives.	12 units
OR	
Option 2	
Core Courses	4 units
12–unit extended major • Astronomical and Space Sciences • Mathematics and Statistics Extended • Information Technology Or 12–unit standalone major • Psychology	12 units
Plus one of the following options: • 8-unit secondary major; or* • 2 x 4-unit discipline minors; or • 1 x 4-unit discipline minor and 1 x 4-unit University minor; or • 1 x 4-unit discipline minor and 4 x electives; or • 8 x electives * Certain double major combinations may not be available. Refer to individual major requirements for further information.	8 units
Or	
Option 3	
Core Courses	4 units
16 unit major • Psychology Extended	16 units
Plus • 4 x electives	4 units

Required time limits

Students have a maximum of 9 years to complete this program.

Core courses

All students must take the following core courses in the following recommended year and semester. Exceptions apply to the following externally accredited majors: Psychology, Psychology Extended and Information Technology.

The recommended enrolment pattern is for full-time students. Part-time students should aim to take the year 1 courses in their first year of enrolment, and should take the final year core course in their last year of study.

Course Name and Code	Semester(s) offered Toowoomba	Semester(s) offered Springfield	Semester(s) offered Ipswich	Semester(s) offered External	Semester(s) offered Online
CMS1100 Communicating in the Sciences	1				1,2
SCI1001 Succeeding in Science	1,2				1,2
STA1003 Fundamental Statistics§	1,2	2			1,2,3
SCI3302 Work-Integrated Learning	1,2,3			1,2,3	

Footnotes

§ Unavailable online in S3 2023

Core Course for Accredited Majors

The following accredited majors have the following Core course requirements:

Course Name and Code	Semester(s) offered Toowoomba	Semester(s) offered Springfield	Semester(s) offered Online
Information Technology			
CMS1100 Communicating in the Sciences	1		1,2
CSC1401 Foundation Programming£	1,2,3	1,2	1,2,3
STA1003 Fundamental Statistics§	1,2	2	1,2,3
MAT1101 Discrete Mathematics for Computing	1	1	1

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

§ Unavailable online in S3 2023

Course Name and Code	Semester(s) offered Toowoomba	Semester(s) offered Springfield	Semester(s) offered Ipswich	Semester(s) offered Online
Psychology and Psychology Extended				

CMS1000 Communication and Scholarship (final offer Semester 1 2023) **or**HAC1000 The Skilful Communicator (first offer Semester 2 2023)[£]	2	2		2
SCI1001 Succeeding in Science	1,2,3	1,2		1,2,3
STA1003 Fundamental Statistics[§]	1,2	2		1,2,3
PSY1030 Cross-Cultural and Indigenous Psychology	1	1		1

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

§ Unavailable online in S3 2023

Major studies

The following majors are available in the Bachelor of Science:

16-unit major *(contain at least four Level 3 courses)*

- BSCP - Psychology Extended

12-unit majors/extended major *(contain at least three Level 3 courses - identified by a 3000 code)*

- Astronomical and Space Sciences
- Information Technology
- Mathematics & Statistics Extended
- BSCP - Psychology

8-unit majors *(contain at least two Level 3 courses - identified by a 3000 code)*

- Animal Science
- Biology
- Computing
- Environment and Sustainability
- Food Science
- Geospatial Science
- Human Physiology
- Mathematics and Statistics
- Physics
- Plant Agricultural Science
- Wildlife Management
- Wine Science

BSCP - Psychology Extended (16-unit major)

Psychology Extended major objectives

The Bachelor of Science (Psychology Extended) (BSCP) program aims to produce graduates who have advanced knowledge and skills in psychology. Participation in the capstone experience will provide students with the acquired ability to research independently, apply theory and develop academic expertise in their chosen focus of area in psychology. The Program will extend student's appreciation of the contributions made by psychologists to society.

Many people who study psychology will not go on to become psychologists, but will find their training in psychology to be highly relevant and useful in their lives and work. Those who do become psychologists may work in a variety of settings including hospitals, schools, government bodies, large corporations, or in private practice. The BSCP - Psychology Extended major will provide students with a broader knowledge of psychology-related knowledge and skills, which more than satisfy the minimum requirements for affiliate membership of relevant professional bodies, most notably the Australian Psychological Society.

Graduates who have completed the Extended major in Psychology (BSCP) will be able to:

- apply knowledge of the breadth and depth of the major fields in contemporary Psychology to describe and explain human behaviour in multiple contexts:
- systematically apply this knowledge in specific contexts such as mental health (clinical psychology), the workplace (organisational psychology), legal settings (law and psychology), education or sport psychology.
- conduct research and report the findings to lay persons and the scientific community at large
- prepare and develop a portfolio, which documents learning of identified outcomes and reflections of metacognitive processes
- develop a broad range of skills, which are suited to occupations requiring the study or application of behavioural science in both the public and private sector

BSCP - Psychology Extended Major Courses

This is a 16-unit extended major. Along with the Foundation Studies courses prescribed above, students must take the following 16 units of courses:

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered Ipswich	Semester(s) Offered External	Semester(s) Offered Online
PSY1010 Foundation Psychology A	1	1		1,3
PSY1020 Foundation Psychology B	2	2		1,2
PSY2010 Social Processes of Behaviour	1	1		1
PSY2020 Motivation and Emotion	1	1		1
PSY2030 Developmental Psychology	2	2		2
PSY2040 Human Information Processing	2	2		2
PSY2100 Research Methods in Psychology A	1	1		1
PSY3010 Assessment of Behaviour	1	1		1
PSY3030 Abnormal Psychology	1	1		1
PSY3050 Counselling Psychology[$]	2	2		2
PSY3060 Learning and Behaviour Change	1	1		1
PSY3111 Research Methods in Psychology B[^^]	2	2		2
PSY3180 Practicum A			1	
PSY3190 Practicum B			2	

Two third-year level courses from the below list of psychology approved courses				

Footnotes

$ Not available ONC Toowoomba in S2 2023

^^ Not available ONC Toowoomba or ONC Ipswich in S2 2023

To complete the award, students taking a 16-unit extended major must additionally undertake one of the following choices:

- 4 units of general elective courses; these can be selected from the list of psychology approved courses, or from any discipline, and may be at any year level, or
- one 4-unit minor.

Minor studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

General electives can be selected from the table of psychology approved courses below or from any courses at Levels 1, 2 and 3 offered by UniSQ subject to satisfaction of pre-requisite requirements, timetabling constraints, quotas, and program requirements. Please note that Diploma of Science Foundation core courses are not permitted as electives.

Unsuitable electives

For various reasons, the following courses will not be approved as electives for students majoring in Psychology in the Bachelor of Science (BSCP) program:

DIP1002 Strategies for Successful Study, DIP1003 Essential Mathematics and DIP1004 Mathematical Literacy.

Psychology Extended (BSCP) approved elective courses

Courses	Semester(s) Offered Online
PSY3110 Clinical Health Psychology	2
PSY3250 Sport and Exercise Psychology	2
PSY3730 Industrial and Organisational Psychology	1

Note: The psychology approved courses offered can change from year to year. For information about which psychology approved courses are being offered in any particular year, students are directed to the course specification site for that particular year. Students are responsible for ensuring that they do not enrol in, or continue to be enrolled in, courses for which they have not satisfied the enrolment requirements (e.g., the necessary pre-requisites).

The recommended enrolment patterns for students with no exemptions, and the enrolment requirements for courses in the extended major, is given in the table that follows. If students are granted exemptions from specific compulsory courses or from approved elective courses, they may need to modify the recommended enrolment pattern.

Mathematics and Statistics Extended (12-unit major)

Mathematics and Statistics Extended Major Objectives

Graduates who have completed the major in Mathematics and Statistics will be able to:

- understand fundamentals of mathematical analysis at the undergraduate level
- show a sound knowledge of important theories and techniques of applied mathematics, statistics and computing

- apply their knowledge to solve practical problems that they are likely to encounter in science, industry, business or government instrumentalities
- continue to develop their abilities through research, discussion and private study
- use computer packages to solve problems in statistics, mathematics and modelling
- communicate the results of mathematical/statistical analysis to wide variety of audiences
- satisfy the minimum requirements for graduate membership of relevant professional bodies.

Mathematics and Statistics Extended Major Courses

This is a 12-unit extended major. This major extends the Mathematics and Statistics (8 unit) major. Along with the Core courses prescribed above, students must take the 12 units of Mathematics and Statistics major courses . If students do not have Mathematical Methods prior to commencement, students should seek guidance from the Program Director.

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered Online
Mathematics and Statistics core major courses		
MAT1102 Algebra and Calculus I	1	1
STA2301 Distribution Theory	1	1
MAT2100 Algebra and Calculus II	2	2
STA2302 Statistical Inference	2	2
MAT2200 Operations Research 1	2	2
MAT2409 High Performance Numerical Computing†	1	1
STA3300 Experimental Design	1	1
STA3301 Statistical Models>	2	2
MAT3201 Operations Research 2*†	1	1
MAT3103 Mathematical Modelling and Dynamical Systems**	2	2
MAT3105 Harmony of Partial Differential Equations**	1	1
STA3200 Multivariate Statistical Methods		1

Footnotes

† Unavailable on-campus at Toowoomba in S1 2023
> Unavailable Semester 2, 2023 Toowoomba On-campus
* The on-campus offering of this course is offered in odd years only.
** The on-campus offering of this course is offered in even years only.

Note: Students who are enrolled in the 12-unit Mathematics and Statistics Extended major cannot also enrol in the 8-unit Mathematics and Statistics major.

Electives

The following courses are recommended electives for this major:

- CSC1401 Foundation Programming£
- MAT1101 Discrete Mathematics for Computing

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Unsuitable electives

Students will require the approval of the Faculty of Health, Engineering and Sciences if they wish to include MAT1000 Mathematics Fundamentals, MAT1100 Foundation Mathematics and ENM1500 Introductory Engineering Mathematics, as electives towards the Bachelor of Science program majoring in Mathematics and Statistics Extended.

Mathematics and Statistics (8-unit major)

Mathematics and Statistics Major Objectives

Graduates who have completed the major in Mathematics and Statistics will be able to:

- understand fundamentals of mathematical and statistical analysis at the undergraduate level;
- show a sound knowledge of important theories and techniques of applied mathematics and statistics;
- apply their knowledge to solve practical problems that they are likely to encounter in science, industry, business or government instrumentalities;
- continue to develop their abilities through research, discussion and private study;
- use computer packages to solve and analyse mathematical and statistical problems;
- apply mathematical and statistical techniques to model and optimise systems;
- communicate the results of mathematical and statistical analysis to wide variety of audiences;
- satisfy the minimum requirements for graduate membership of relevant professional bodies.

Mathematics and Statistics Major Courses

If students do not have the equivalent of Mathematical Methods experience prior to commencement of this major, students should seek guidance from the Program Director.

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered Online
MAT1102 Algebra and Calculus I	1	1
MAT2409 High Performance Numerical Computing†	1	1
MAT2200 Operations Research 1	2	2
MAT2100 Algebra and Calculus II	2	2
STA2301 Distribution Theory	1	1
STA3300 Experimental Design	1	1
STA3301 Statistical Models>	2	2
STA3200 Multivariate Statistical Methods		1

Footnotes

† Unavailable on-campus at Toowoomba in S1 2023

> Unavailable Semester 2, 2023 Toowoomba On-campus

Note: If enrolled in this 8-unit Mathematics and Statistics major, students cannot also enrol in the 12-unit Mathematics and Statistics Extended major.

Second major

Second majors can be chosen from any of the other eight-unit majors defined for the Bachelor of Science (except Mathematics and Statistics Extended,) or, with the approval of the Faculty of Health, Engineering and Sciences, from other eight-unit majors from other undergraduate programs in the University.

Minor studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

The following courses are recommended electives for this major:

- CSC1401 Foundation Programming£
- MAT1101 Discrete Mathematics for Computing

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

General electives are courses chosen from other Level 1, 2 or 3 courses in the University.

Unsuitable electives

Students will require the approval of the Faculty of Health, Engineering and Sciences if they wish to include MAT1000 Mathematics Fundamentals, MAT1100 Foundation Mathematics, ENM1500 Introductory Engineering Mathematics, and MAC2901 Mathematics for Teachers as electives towards the Bachelor of Science program majoring in Mathematics and Statistics.

Information Technology (12-unit major)

Information Technology Major Objectives

Graduates who have completed the major in Information Technology will be able to:

- work as a professional in the Information Technology industry
- show a sound understanding of the computing and IT-related areas
- have a broad knowledge in computing and digital data analytics
- have basic skills in software development, web design and computer applications systems
- show sound presentation and communication skills required in the computing industry
- satisfy academic admission requirements for membership of relevant professional bodies.

Information Technology Major Courses

This is a 12-unit extended major. This major extends the Computing major. This major is externally accredited by the Australian Computer Society.

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered Springfield	Semester(s) Offered Online
ELE1301 Computer Engineering	1	1	1
CSC2401 Algorithms and Data Structures	2		2
CIS1000 Digital Disruption[£]	1, 2	1,2,3	1,2
CSC2402 Object-Oriented Programming in C++	1		1
CSC2408 Software Development Tools	1, 2	1,2	1,2
CSC3412 System and Security Administration	1	1	1
CSC2406 Web Technology 1	2	2	2
CSC3426 Web Technology 2[*]	2		2
CIS2000 Systems Analysis and Design[#] **OR** CSC1410 Software Engineering Foundations[#]	1 Or 2	N/A Or 2	1,2 Or 2
CIS3002 Agile Methods	1	1	1,2
CSC3600 ICT Professional Project	1,2	1,2	1,2
One (1) of the following courses :			
CSC3420 Mobile Internet Technology	1	1	1
CSC2404 Operating Systems	2	2	2
CSC1410 Software Engineering Foundations	2	2	2
CSC3400 Database Systems[£]	1	1	1,3
CSC3403 Comparative Programming Languages	1		1
CSC3502 Principles of Big Data Management	2	2	2
CSC3413 Network Design and Analysis	2	2	2
CSC3427 Switching, Wireless and WAN Technologies	2	2	2

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* Students will need to complete CSC2406 prior to enrolling in CSC3426.
\# Students select from either CIS2000 Systems Analysis and Design or CSC1410 Software Engineering Foundations, students should not complete both courses.

Note: Students who are enrolled in the 12-unit Information Technology major cannot also enrol in the 8-unit Computing major.

Students should also use the following table to select appropriate extended courses with the appropriate introductory, intermediate and advanced courses to focus on the different streams available in the major.

Computing/IT Streams	Foundational Courses per stream	Computing Major Intermediate Courses	Computing Major Advanced Courses	Extended major (Information Technology)
Software	CSC1401 Foundation Programming£	CSC1410 Software Engineering Foundations CSC2408 Software Development Tools	CIS3002 Agile Methods CSC3412 System and Security Administration CSC3403 Comparative Programming Languages	CSC3600 ICT Professional Project CSC3413 Network Design and Analysis
Networking			CSC3502 Principles of Big Data Management	CSC3426 Web Technology 2
Database			CSC3400 Database Systems£	CSC3502 Principles of Big Data Management
Web Technology		CSC2406 Web Technology 1	CSC3426 Web Technology 2	
Data Science	CSC1401 Foundation Programming£ STA1003 Fundamental Statistics		STA3200 Multivariate Statistical Methods CSC3501 Principles of Data Science and Visualisation	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Second Major

Second majors can be chosen from any of the eight-unit majors defined below for the Bachelor of Science (except Computing) or, with the approval of the Faculty of Health, Engineering and Sciences, from other approved eight-unit majors from other undergraduate programs in the University. Majors in the BITC Bachelor of Information Technology are not suitable as a secondary major.

Computing (8-unit major)

Computing Major Objectives

Graduates who have completed the major in Computing will be able to:

- receive a broad-based education in sciences;
- study computing discipline area to Third Level;
- prepare students for teaching in discipline appropriate areas to Grade 12 level in Secondary Schools, subject to further study;

- cater for students who aspire to professional studies that require a general first degree for admission to computing industry;
- form a basis for study at postgraduate diploma level, honours level or higher.

Computing Major Courses

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered Springfield	Semester(s) Offered Online
ELE1301 Computer Engineering	1	1	1
CSC2406 Web Technology 1	2	2	2
CSC1410 Software Engineering Foundations	2	2	2
CSC2408 Software Development Tools	1, 2	1,2	1,2
CIS3002 Agile Methods	1	1	1,2
CSC3400 Database Systems[£]	1	1	1,3
CSC3412 System and Security Administration	1	1	1
CSC3426 Web Technology 2	2		2

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Second Major

Second majors can be chosen from any of the other eight-unit majors defined for the Bachelor of Science or, with the approval of the Faculty of Health, Engineering and Sciences, from other eight-unit majors from other undergraduate programs in the University.

Minor Studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

The following courses are recommended electives for this major:

- CSC1401 Foundation Programming[£]
- MAT1101 Discrete Mathematics for Computing

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

General electives are courses chosen from other Level 1, 2 or 3 courses in the University.

Unsuitable Electives

For various reasons, the following course will not be approved as an elective for students majoring in Computing in the Bachelor of Science program:

- CIS2000 Systems Analysis and Design.

Astronomical and Space Sciences (12-unit major)

Astronomical and Space Sciences Major Objectives

- demonstrate understanding of key astronomical concepts and solve related key numerical problems;
- use the tools (including mathematics), methodologies, language and conventions of astronomy to test and communicate ideas and explanations;
- execute and analyse the results of observations, including the evaluation of the level of uncertainty of these results, a comparison of these results with expected outcomes, and, hence, an assessment of their significance;

- communicate scientific information, in particular through scientific reports, to both expert and non-expert audiences;
- demonstrate understanding of key concepts relating to humanity's exploration and use of outer space and solve related key numerical problems.

Astronomical and Space Sciences Major Courses

This is a 12-unit extended major. Along with the Core courses prescribed above, students must take the following 12 units of courses:

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered External	Semester(s) Offered Online
PHY1101 Astronomy 1	1		1
PHY1104 Physics 1	1		1
PHY1107 Astronomy 2	2		2
PHY1911 Physics 2	2		2
PHY2207 Optics			2
PHY3303 Modern Physics*		1	
PHY3304 Photonics*		2	
PHY3305 Quantum Mechanics			1
PHY3306 Solar and Stellar Astronomy			1
PHY3307 Galactic and Extragalactic Astronomy			2
Choose 2 of the following 3 courses:			
PHY2206 Medical Physics			2
PHY2204 Astronomical Techniques			1
PHY2208 Planetary and Exoplanetary Science			2

Footnotes

* This offering has a highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Minor Studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

Recommended Courses to support the Astronomical and Space Science major to be taken as electives or part of a Minor:

- CSC1401 Foundation Programming£
- MAT1102 Algebra and Calculus I*
- MAT2100 Algebra and Calculus II*

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* These courses are co-requisites for required courses PHY1104 Physics 1 and PHY1911 Physics 2

For students considering post-graduate study in physics or astronomy, the following courses are highly recommended:

- CSC1401 Foundation Programming£
- MAT2409 High Performance Numerical Computing
- SCI3301 Science Project
- MAT3103 Mathematical Modelling and Dynamical Systems
- MAT3105 Harmony of Partial Differential Equations

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Physics (8-unit major)

Physics Major Objectives

- comprehend and demonstrate knowledge of physics laws, concepts and principles;
- apply physics principles to understand the causes of problems, devise strategies to solve them and test the possible solutions;
- use the tools (including mathematics), methodologies, language and conventions of physics to test and communicate ideas and explanations;
- safely execute and analyse the results of experiments, including the evaluation of the level of uncertainty of these results, a comparison of these results with expected outcomes, and, hence, an assessment of their significance;
- communicate scientific information, in particular through scientific reports, to both expert and non-expert audiences.

Physics Major Courses

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered External	Semester(s) Offered Online
PHY1104 Physics 1	1		1
PHY1911 Physics 2	2		2
PHY2207 Optics			2
PHY3303 Modern Physics*		1	
PHY3304 Photonics*#		2	
PHY3305 Quantum Mechanics			1
Choose two (2) from the following 3 courses:			
PHY2204 Astronomical Techniques			1
PHY2206 Medical Physics			2
PHY2208 Planetary and Exoplanetary Science			2

Footnotes

* This offering has a highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

\# Students who have completed PHYS313 through UNE are unable to enrol in PHY3304.

Second Major

A second major can be chosen from any of the other eight-unit majors defined for the Bachelor of Science or, with the approval of the Faculty of Health, Engineering and Sciences, from other eight-unit majors from other undergraduate programs in the University.

Minor Studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

The following courses are recommended electives for this major:

- CSC1401 Foundation Programming£

- MAT1102 Algebra and Calculus I*
- MAT2100 Algebra and Calculus II*

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024
* These courses are co-requisites for required courses PHY1104 Physics 1 and PHY1911 Physics 2

For students considering post-graduate study in physics or astronomy, the following courses are highly recommended:

- MAT2409 High Performance Numerical Computing
- SCI3301 Science Project
- MAT3103 Mathematical Modelling and Dynamical Systems
- MAT3105 Harmony of Partial Differential Equations

BSCP - Psychology (12-unit major)

Psychology Major Objectives

Graduates who have completed the major in Psychology will be able to:

- demonstrate a sound understanding of the scope and focus of the major fields in contemporary Psychology
- gain employment in the public and private sectors as behavioural science graduates or as graduates with a broad range of skills
- satisfy the minimum requirements for affiliate membership of relevant professional bodies, most notably the Australian Psychological Society
- conduct research and report the findings to lay persons and the scientific community at large.

BSCP - Psychology Major Courses

This is a 12-unit major. This major is externally accredited by the Australian Psychology Accreditation Council. Along with the Core courses prescribed above, students must take the following 12 units of courses:

Courses	Semester(s) Offered Toowoomb	Semester(s) Offered Ipswich	Semester(s) Offered Online
PSY1010 Foundation Psychology A	1	1	1,3
PSY1020 Foundation Psychology B	2	2	1,2
PSY2010 Social Processes of Behaviour	1	1	1
PSY2020 Motivation and Emotion	1	1	1
PSY2030 Developmental Psychology	2	2	2
PSY2040 Human Information Processing<	2	2	2
PSY2100 Research Methods in Psychology A	1	1	1
PSY3010 Assessment of Behaviour	1	1	1
PSY3030 Abnormal Psychology	1	1	1
PSY3050 Counselling Psychology$	2	2	2
PSY3060 Learning and Behaviour Change	1	1	1
PSY3111 Research Methods in Psychology B^^	2	2	2

Footnotes

< Not available ONC Ipswich in S2 2023
$ Not available ONC Toowoomba in S2 2023
^^ Not available ONC Toowoomba or ONC Ipswich in S2 2023

Second Major

Second majors can be chosen from any of the other eight-unit majors defined for the Bachelor of Science, or, with the approval of the Faculty of Health, Engineering and Sciences, from other eight-unit majors from other undergraduate programs in the University.

The double major Psychology (BSCP) and Human Physiology, will provide an appreciation of the connections between psychological and physiological aspects of human health and is highly recommended by the Faculty of Health, Engineering and Sciences.

Other majors in the University which have been taken as a second major with psychology include

- Human Resource Management within the Bachelor of Business ..
- Management and Leadership within the Bachelor of Business ..
- Business Administration within the Bachelor of Business ..
- Anthropology within the Bachelor of Arts
- History within the Bachelor of Arts
- English Literature within the Bachelor of Arts

Students intending to take a second major should begin enrolment in these courses in the first year of full-time enrolment, or the second year of part-time enrolment.

Minor Studies

A minor in Counselling is a recommended complimentary field of study to the Psychology major. Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

General electives can be selected from the table of psychology approved courses below or from any courses at Levels 1, 2 and 3 offered by UniSQ subject to satisfaction of pre-requisite requirements, timetabling constraints, quotas and program requirements. Please note that Diploma of Science Foundation core courses are not permitted as electives.

Unsuitable Electives

For various reasons, the following courses will not be approved as electives for students majoring in Psychology in the Bachelor of Science (BSCP) program:

DIP1002 Strategies for Successful Study, DIP1003 Essential Mathematics and DIP1004 Mathematical Literacy.

Psychology Approved Courses

Courses	Semester(s) Offered Online	Semester(s) Offered External
PSY3110 Clinical Health Psychology	2	
PSY3250 Sport and Exercise Psychology	2	
PSY3730 Industrial and Organisational Psychology	1	
PSY3180 Practicum A**		1
PSY3190 Practicum B***		2

Footnotes

** Not available ONC Ipswich S1 2023
*** Not available ONC Ipswich S2 2023

Note: The psychology approved courses offered changes from year to year. For information about what psychology approved courses are being offered in any particular year students are directed to the course specification site for that particular year. Students are responsible for ensuring that they do not enrol in, or continue to be enrolled in, courses for which they have not satisfied the enrolment requirements (e.g., the necessary pre-requisites).

Animal Science (8-unit major)

Animals Sciences Major Objectives

Graduates who have completed the major in Animal Science will be able to:

- demonstrate discipline specific expertise in animal science, suitable to undertake professional work and/or further study now and/or into the future;
- exhibit competence in a range of cognitive and technical skills related to animal science including animal nutrition, animal reproduction, animal health, welfare, behaviour, husbandry, and management across a range of different species including production animals;
- communicate effectively across a diverse range of stakeholders using oral, written and technology-based approaches and work effectively across multidisciplinary teams within the animal and agricultural production sectors;
- work autonomously and collaboratively to critically analyse and evaluate information to construct and implement solutions to unpredictable and complex problems facing animal systems today;
- demonstrate an appreciation for the environmental, demographic, logistical, economic, and global pressures facing animal production systems today and how the use of technology may be applied to ensure economic and environmental sustainability;
- apply well directed ethical conduct in their professional practice as animal scientists, demonstrating knowledge of the regulatory frameworks relevant to their disciplinary area and how these can be applied within diverse cultural contexts, when identifying and responding to ethical and social issues.

Animal Science Major Courses

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered External	Semester(s) Offered Online
AGR1101 Animal Health, Welfare and Behaviour*	1	1	
AGR2201 Animal Production Systems*	1	1	
AGR3202 Animal Reproduction*	1	1	
AGR2203 Animal Nutrition*	2	2	
AGR2301 Agricultural Science^	2		2
AGR3302 Sensors and Technology in Animal Production	2	2	
BIO2103 Biology 2*	2	2	
BIO2219 Genetics	2		2

Footnotes

* This offering has a highly recommended residential school for on-campus and external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

^ Students undertaking a double major with Plant Agricultural Science should take AGR1104 Farm Safety and Operations 1 (0.5 unit course) and AGR2104 Farm Safety and Operations 2 (0.5 unit course) instead of AGR2301 Agricultural Science to complete this major.

Second Major

Second majors can be chosen from any of the other eight-unit majors defined for the Bachelor of Science or, with the approval of the Faculty of Health, Engineering and Sciences, from other eight-unit majors from other undergraduate programs in the University.

A double major in Animal Science and Plant Agricultural Science will provide graduates with a well-rounded degree in agricultural science, equipping them with the skills and knowledge to take on a future career within the agricultural sector. This combination is particularly relevant to students seeking a future career as animal/agricultural scientists, farm managers, nutritionist, or agronomists.

A double major in Animal Science and Environment and Sustainability will provide graduates with the skills and knowledge to combat the present and future challenges of a growing agricultural sector. This combination is particularly relevant to students seeking a future career in any facet of the animal production sector.

A double major in Animal Science and Food Science will provide graduates with the skills and knowledge to combat the present and future challenges facing food security, processing, and production. This combination

is particularly relevant to students seeking a future career in the animal nutrition and food production sectors, such as animal feed product development and quality assurance.

A double major in Animal Science and Wildlife Management will provide graduates with the skills and knowledge to traverse a career within the animal management and conservation domains. This combination is particularly relevant to students seeking a career in animal/vertebrate pest management, biosecurity, or captive wildlife husbandry.

Minor Studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

General electives are courses chosen from other Level 1, 2 or 3 courses in the University. Students without or limited background in Mathematical Methods are recommended to take the following elective:

- MAT1100 Foundation Mathematics

Biology (8-unit major)

Biology Major Objectives

Graduates who have completed the major in Biology will be able to:

- demonstrate more than a basic competence in biological and chemistry laboratory skills;
- exhibit a broad knowledge of the major biological disciplines including microbiology, biochemistry, genetics, environmental science, physiology and cell and molecular biology;
- appreciate the importance of the theory and techniques of cell and molecular biology to the research and diagnostic spheres;
- demonstrate a detailed knowledge of major environmental issues and apply this knowledge towards more sustainable environmental and resource management;

Biology Major Courses

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered External	Semester(s) Offered Online
BIO1101 Biology 1*	1	1	
BIO2103 Biology 2#	2	2	
BIO2107 Cell and Molecular Biology 1#	1	1	
BIO3318 Plant Microbe Interactions#	2	2	
BIO3207 Cell and Molecular Biology 2#	2	2	
CHE1110 Chemistry 1*	1	1	
BIO2219 Genetics	2		2
CHE2120 Chemistry 2*	2	2	

Footnotes

* This offering has a highly recommended residential school for external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

\# This offering has a highly recommended residential school for on-campus and external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Second Major

Second majors can be chosen from any of the other eight-unit majors defined for the Bachelor of Science or, with the approval of the Program Director, from other eight-unit majors from other undergraduate programs in the University.

A double major in Animal Science and Biology will provide graduates with a well-rounded degree in animal biology, equipping them with the skills and knowledge to take on a future career as an animal scientist and provide them with a good grounding in laboratory skills to take on further postgraduate study in areas such as molecular biology, biochemistry, genetics, microbiology, and physiology. This combination is particularly relevant to students seeking a future career in the medical/veterinary field as an animal research officer, technical officer or research scientists.

A double major in Plant Agricultural Science and Biology will provide graduates with a well-rounded degree in plant biology, equipping them with the skills and knowledge to take on a future career as a plant scientist and provide them with a good grounding in laboratory skills to take on further postgraduate study in areas such as molecular biology, biochemistry, and genetics. This combination is particularly relevant to students seeking a future career in the field of plant breeding as a laboratory research officer, technical officer, or agricultural scientists.

Minor Studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

Any course not undertaken within the major structure is a recommended elective. General electives are courses chosen from other Level 1, 2 or 3 courses in the University. Students without or limited background in Mathematical Methods are recommended to take the following elective:

- MAT1100 Foundation Mathematics

Environment and Sustainability (8-unit major)

Environment and Sustainability Major Objectives

Graduates who have completed the major in Environment and Sustainability will be able to:

- demonstrate more than a basic competence in climatology, physics, statistics and mathematics, environmental science, ecology and conservation, natural resource management and sustainability
- demonstrate a detailed knowledge of major environmental issues, human impacts and key climate mechanisms and apply this knowledge towards more sustainable environmental and resource management
- have a sound comprehension of the social, political and environmental implications of human impacts and global environmental changes
- apply the principles of sustainability in a wide diversity of professional opportunities

Environment and Sustainability Major Courses

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered Springfield	Semester(s) Offered Online
REN1201 Environmental Studies+	1	1	1
REN2200 Ecology for Sustainability	1		1
REN3301 Biodiversity and Conservation	2		2
REN3302 Sustainable Resource Use	2		2
CLI1110 Weather and Climate	1		1
CLI2201 Climate Change and Variability			2

CLI3301 Climate and Environment Risk Assessment			1
CLI3302 Adaptation to Climate Change			2

Footnotes

+ The Springfield on-campus offer is not available in 2023.

Second Major

Second majors can be chosen from any of the other eight-unit majors defined for the Bachelor of Science or, with the approval of the Faculty of Health, Engineering and Sciences, from other eight-unit majors from other undergraduate programs in the University.

There are a number of other courses, minors and majors with a focus on sustainability that students may wish to study.

Minor Studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

General electives are courses chosen from other Level 1, 2 or 3 courses in the University. It is recommended that students choose SCI3301 Science Project as an elective. Students without, or limited background in Mathematical Methods are recommended to take the following elective:

- MAT1100 Foundation Mathematics

Food Science (8-unit major)

Food Science Major Objectives

Graduates who have completed the major in Food Science will be able to:

- apply knowledge of the breadth and depth of the major scientific and technical fields in contemporary food science to describe and explain the development, production and manufacturing of nutritious, safe, sustainable foods and food products;
- demonstrate more than a basic competence of the different laboratory analyses and manufacturing methods for food product development and assessment;
- develop a broad range of skills, which are suited to occupations requiring the study or application of food science in both the public, private and research sectors;
- have a sound comprehension that food development has regulatory, social and ethical requirements in the contexts of food safety, food sustainability and nourishing of populations;
- conduct product development research and report the findings to lay persons, industry and the scientific community at large;
- prepare and develop a portfolio, which documents learning of technical skills, application of skills in industry and/or research environments and development of graduate attributes.

Food Science Courses

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered External	Semester(s) Offered Online
BIO1810 Introduction to Food Science	1		1
CHE2810 Food Chemistry	1		1
BIO2810 Nutrition and Health	2		2
CHE2820 Principles of Food Analysis	2		2
BIO3810 Food Processing*	1	1	

BIO3811 Food Product Development*	2	2	
BIO3820 Food Microbiology*	1	1	
BIO3821 Food Quality Assurance*	2	2	

Footnotes

* This offering has a highly recommended residential school for both on-campus and external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Second Major

Second majors can be chosen from any of the other eight-unit majors defined for the Bachelor of Science or, with the approval of the Faculty of Health, Engineering and Sciences, from other eight-unit majors from other undergraduate programs in the University.

A double major in Food Science and Plant Agricultural Science will provide opportunities for students to learn how to design future food supply systems from food production to consumer, to help safely and sustainably nourish the world.

A double major in Food Science and Environment and Sustainability will allow students to learn to students will learn to analyse and design sustainable food systems through mathematical analyses around resource use, including raw materials, people/labour and energy. This will be applicable particularly in the food processing and sustainable resource use.

Minor Studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

General electives are courses chosen from other Level 1, 2 or 3 courses in the University. Students without, or limited background in Mathematical Methods are recommended to take the following elective:

- MAT1100 Foundation Mathematics

Geospatial Science (8-unit major)

Geospatial Science Major Objectives

Graduates who have completed the major in Geospatial Science will have:

- broad and coherent knowledge in the theories, concepts, methods and technologies in the area of geospatial science;
- skills and knowledge of the analysis and evaluation of appropriate technologies, methods and processes to solve and complete a range of geospatial science activities;
- well-developed technical and cognitive skills to create innovative and sustainable solutions utilising cutting-edge technologies, supported by research to collect, store and manipulate spatial data;
- knowledge and skills to autonomously apply well-informed judgements regarding specialised practices, theories and processes in the domain of spatial information;
- consistent application of academic norms and ethical standards in decision making when working collaboratively in a professional capacity;
- knowledge of spatial information systems to sufficient depth to be eligible for employment and certification, where appropriate, as a GIS Spatial Scientist.

Geospatial Science Major Courses

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered Springfield	Semester(s) Offered Online
GIS1402 Geographic Information Systems£	1	1	1,3
GIS1401 Geographic Data Presentation	2	2	2

GIS2405 Spatial Analysis and Modelling	2		2
GIS2407 Web Based Geographic Information System	2		2
CSC3400 Database Systems[£]	1	1	1,3
GIS3407 GIS Programming and Visualisation	1		1
GIS3406 Remote Sensing and Image Processing	1		1
GIS3008 Applications of GIS and Remote Sensing	2		2

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Second Major

Second majors can be chosen from any of the other eight-unit majors defined for the Bachelor of Science or, with the approval of the Faculty of Health, Engineering and Sciences, from other eight-unit majors from other undergraduate programs in the University.

Minor Studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

The following courses are recommended electives for this major:

- CSC1401 Foundation Programming[£]
- MAT1101 Discrete Mathematics for Computing

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

General electives are courses chosen from other Level 1, 2 or 3 courses in the University. Students without, or limited background in Mathematical Methods are recommended to take the following elective:

- MAT1100 Foundation Mathematics

Human Physiology (8-unit major)

Human Physiology Major Objectives

Graduates who have completed the major in Human Physiology will be able to:

- describe the biological processes that occur in the human body at the system, organ, tissue and cellular levels in order to maintain homeostasis;
- apply knowledge of human anatomy and physiology to explain the changes that occur across the lifespan and in disease processes and also the mechanisms of action of therapeutic options;
- exhibit practical and technical skills in the laboratory to generate scientific data as well as employ research skills including data analysis, interpretation, literature critiquing and academic writing;
- work collaboratively to clearly and coherently communicate human physiology concepts to a range of audiences using oral, written and digital communication formats;
- exhibit ethical and professional (including culturally respectful) standards and workplace health and safety requirements.

Human Physiology Major Courses

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered Ipswich	Semester(s) Offered External	Semester(s) Offered Online
BIO1104 Medical Microbiology and Immunology 1^	2		2	
BIO1203 Human Anatomy and Physiology 1£^	1	1	1,3	
BIO1204 Introduction to Biomedical Sciences**	1,2		1,2	
BIO1206 Human Anatomy and Physiology 2£^	2	2	2,3	
BIO2118 Systems Physiology and Pharmacology#	1		1	
BIO2218 Concepts in Endocrinology#	2		2	
BIO3102 Human Pathophysiology				1
BIO3201 Extreme Physiology and Pharmacology				2

Footnotes

^ Mandatory residential school for external students

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

** Semester 1: External students attend mandatory residential school, on-campus students attend mandatory lab classes. Semester 2: External and on-campus students attend mandatory residential school.

Mandatory residential school for external and on-campus students.

Second Major

The following double major combinations are recommended for supporting a students' career pathway.

Human Physiology and Mathematics and Statistics (8 unit major) for students intending to pursue a career in Bioinformatics.

Human Physiology and Physics for students intending to pursue a career in Microscopy and Imaging.

Minor Studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

General electives are courses chosen from other Level 1, 2 or 3 courses in the University. Students without, or limited background in Mathematical Methods are recommended to take the following elective:

- MAT1100 Foundation Mathematics

Courses from the Psychology major combined with Human Physiology will provide an appreciation of the connections between psychological and physiological aspects of human health.

Plant Agricultural Science (8-unit major)

Plant Agricultural Science Major Objectives

On completion of this major, graduate should be able to:

- demonstrate discipline specific expertise in plant agricultural science, suitable to undertake professional work and/or further study in the agricultural field now and/or into the future;
- exhibit competence in a range of cognitive and technical skills related to agricultural science including agronomy, plant physiology and breeding, and soil science;

- communicate effectively across a diverse range of stakeholders using oral, written and technology-based approaches and work effectively across multidisciplinary teams within the agricultural sector;
- work autonomously and collaboratively as plant agricultural scientists to critically analyse and evaluate information to construct and implement solutions to unpredictable and complex problems;
- demonstrate an appreciation for the environmental, demographic, logistical, economic, and global pressures facing agricultural systems today;
- make guided judgements in their professional practice when identifying and responding to cultural, ethical, and social issues including those relevant to indigenous peoples and those of diverse cultures and backgrounds.

Plant Agricultural Science Major Courses

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered External	Semester(s) Offered Online
BIO1101 Biology 1*	1	1	
AGR2301 Agricultural Science	2		2
BIO2202 Plant Physiology#	2	2	
AGR2304 Plant Breeding#	2	2	
AGR2303 Agronomy	1		1
AGR3304 Soil Science	1		1
AGR3305 Precision and Smart Technologies in Agriculture	2		2
BIO3318 Plant Microbe Interactions	2	2	

Footnotes

* This offering has a highly recommended residential school for external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

\# This offering has a highly recommended residential school for on-campus and external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Second major

Second majors can be chosen from any of the other eight-unit majors defined for the Bachelor of Science with the approval of the Faculty of Health, Engineering and Sciences, from other eight-unit majors from other undergraduate programs in the University. Combine with a second major, such as Animal, Food, Wine, or Environment and Sustainability to create a well-rounded agriculture degree and broaden your employment potential.

A double major in Plant Agricultural Science and Animal Science will provide graduates with a well-rounded degree in agricultural science, equipping them with the skills and knowledge to take on a future career within the agricultural sector. This combination is particularly relevant to students seeking a future career as animal/agricultural scientists, farm manager, nutritionist, or agronomists.

A double major in Plant Agricultural Science and Environment and Sustainability will provide graduates with the skills and knowledge to combat the present and future challenges of a growing agricultural sector and food security. This combination is particularly relevant to students seeking a future career in any facet of the agricultural industry.

A double major in Plant Agricultural Science and Food Science equips students with theoretical knowledge and important practical skills particularly suitable for students looking toward a career in the various and diverse sectors of the agricultural and food industries.

A double major in Plant Agricultural Science and Wine Science equips students with theoretical knowledge and important practical skills particularly suitable for students looking toward a career in the various and diverse sectors of the agricultural and viticultural industries.

Minor Studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

General electives are courses chosen from other Level 1, 2 or 3 courses in the University. Students without, or limited background in Mathematical Methods are recommended to take the following elective:

- MAT1100 Foundation Mathematics

Wildlife Management (8-unit major)

Wildlife Management Major Objectives

Graduates who have completed the major in Wildlife Management will be able to:

- demonstrate more than a basic competence of the different types of wildlife and their management, and how and why wildlife needs to be conserved, utilized or controlled
- demonstrate a detailed knowledge of native and introduced wildlife species management and be able to apply this management knowing the strengths and weaknesses of different management techniques
- have a sound comprehension that wildlife can be iconic, important (ecologically, socially, economically), abundant, vulnerable to extinction and have an important role in animal biosecurity
- apply the principles of wildlife management to manage wildlife in captivity, to mitigate human-wildlife conflict, to measure and monitor wildlife populations for different purposes

Wildlife Management Major Courses

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered External	Semester(s) Offered Online
AGR1101 Animal Health, Welfare and Behaviour*	1	1	
WLF2101 Management of Wildlife*	1	1	
WLF1201 Field Skills for Wildlife, Game and Pest Management+		2	
REN3301 Biodiversity and Conservation	2		2
WLF2201 Vertebrate Pests and Biosecurity*	2	2	
WLF3101 Principles of Wildlife Management & Sustainable Use^			1
SCI3301 Science Project			1,2
WLF3201 Captive Wildlife Management*^	2	2	

Footnotes

* This offering has a highly recommended residential school for on-campus and external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment)

\+ This course has a mandatory residential school

^ This course will be introduced in 2024

Second Major

Second majors can be chosen from any of the other eight-unit majors defined for the Bachelor of Science or, with the approval of the Faculty of Health, Engineering and Sciences, from other eight-unit majors from other undergraduate programs in the University.

There are a number of other courses, minors and majors with a focus on wildlife ecology that students may wish to study.

Minor Studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

General electives are courses chosen from other Level 1, 2 or 3 courses in the University.

Wine Science (8-unit major)

Wine Science Major Objectives

Graduates who have completed the major in Wine Science will be able to:

- show a sound understanding of vineyard management practices for quality wine grape production;
- demonstrate a detailed knowledge of the processes involved in production of different wine types and styles;
- illustrate understanding of sustainable and environmentally sensitive vineyard and winery management practices;
- display skills sensorial assessment of wine including gaining experience in judging wine show system;
- have an appreciation of the history and diversity of the global wine industry.

Wine Science Major Courses

Courses	Semester(s) Offered Toowoomba	Semester(s) Offered External	Semester(s) Offered Online
WIN1101 Grape and Wine Production			1
WIN2200 Viticultural and Winemaking Practice+		1	
WIN2215 Wine Biochemistry and Microbiology			2
WIN2210 Viticultural Principles and Production			2
WIN2220 Wine Production			2
WIN3310 Wine Sensory Analysis+		2	
WIN3304 Viticultural and Winemaking Practice 2+		3	
BIO1101 Biology 1*	1	1	

Footnotes

+ This course has a mandatory residential school

* This offering has a highly recommended residential school for external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment)

Second Major

Second majors can be chosen from any of the other eight-unit majors defined for the Bachelor of Science or, with the approval of the Faculty of Health, Engineering and Sciences, from other eight-unit majors from other undergraduate programs in the University.

Minor Studies

Minor studies are a set of courses as defined in the Minor Studies section of the Handbook.

Electives

General electives are courses chosen from other Level 1, 2 or 3 courses in the University. Students without, or limited background in Mathematical Methods are recommended to take the following elective:

- MAT1100 Foundation Mathematics

IT requirements

For information technology requirements, please refer to the minimum computing standards.

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: R = Recommended; HR = Highly Recommended; M = Mandatory. To find out more about residential schools, visit the Residential School Schedule to view specific dates for your degree, or visit the Policy and Procedure Library.

Animal Science

- AGR1101 Animal Health, Welfare and Behaviour
- AGR2201 Animal Production Systems
- AGR3202 Animal Reproduction
- AGR2203 Animal Nutrition
- AGR3302 Sensors and Technology in Animal Production
- BIO2103 Biology 2

Biology

- BIO1101 Biology 1
- BIO2103 Biology 2
- BIO2107 Cell and Molecular Biology 1
- BIO3318 Plant Microbe Interactions
- BIO3207 Cell and Molecular Biology 2
- CHE1110 Chemistry 1
- CHE2120 Chemistry 2

Food Science

- BIO3810 Food Processing
- BIO3811 Food Product Development
- BIO3820 Food Microbiology
- BIO3821 Food Quality Assurance

Human Physiology

- BIO1104 Medical Microbiology and Immunology 1
- BIO1203 Human Anatomy and Physiology 1
- BIO1204 Introduction to Biomedical Sciences
- BIO1206 Human Anatomy and Physiology 2
- BIO2118 Systems Physiology and Pharmacology
- BIO2218 Concepts in Endocrinology

Physics and Astronomical and Space Sciences

- PHY3303 Modern Physics
- PHY3304 Photonics

Plant Agricultural Science

- AGR2304 Plant Breeding
- BIO1101 Biology 1
- BIO2202 Plant Physiology
- BIO3318 Plant Microbe Interactions

Wildlife Management

- AGR1101 Animal Health, Welfare and Behaviour
- WLF1201 Field Skills for Wildlife, Game and Pest Management
- WLF2101 Management of Wildlife
- WLF2201 Vertebrate Pests and Biosecurity
- WLF3201 Captive Wildlife Management

Wine Science

- WIN2200 Viticultural and Winemaking Practice
- WIN3304 Viticultural and Winemaking Practice 2
- WIN3310 Wine Sensory Analysis
- BIO1101 Biology 1

Related programs

Requirements for entry to Master of Learning and Teaching

Students intending to become secondary school teachers are advised that they may need to complete a postgraduate teacher entry qualification (such as the two-year) after completion of their undergraduate program. For further information, students should refer to the Education section of this Handbook or address enquiries to the Faculty of Business, Education, Law and Arts.

Exit points

Students who, for whatever reason, are unable to complete the Bachelor of Science and who satisfy all of the requirements may exit with a DPSC Diploma of Science.

Credit

Exemptions/credit will be assessed based on the UniSQ Credit and Exemption Procedure.

For PSY course exemptions – Psychology courses taken at another university or institution will only be considered for psychology exemptions if the courses were part of an APAC (Australian Psychology Accreditation Council) accredited sequence. APAC regulations clearly state that only courses taken within an APAC sequence can be used for exemptions from any PSY courses.

Recommended Enrolment Pattern - BSCP- Psychology Extended

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
SCI1001 Succeeding in Science	1	1			1	1	
HAC1000 The Skilful Communicator	1	2			1	2,3	Enrolment is not permitted in HAC1000 if CMS1000 or CMS1100 has been previously completed
PSY1010 Foundation Psychology A	1	1			1	1,3	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
General Elective	1	1			1	1	
PSY1030 Cross-Cultural and Indigenous Psychology	1	2			1	2,3	
PSY1020 Foundation Psychology B	1	2			1	1, 2	
STA1003 Fundamental Statistics§	1	2			1	1,2,3	Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertaking the Accounting Major in the BBCM, are not eligible for enrolment.
General Elective	1	2			1	2	
Year 2							
PSY2010 Social Processes of Behaviour	2	1			2	1	Pre-requisite: PSY1010
PSY2020 Motivation and Emotion	2	1			2	1	Pre-requisite: PSY1010 and PSY1020
PSY2100 Research Methods in Psychology A	2	1			2	1	Pre-requisite: PSY1010 and (STA2300 or STA1003). For students enrolled in Program BSSC with a major in BES: PSY1010 and STA3100
General Elective	2	1			2	1	
PSY2030 Developmental Psychology	2	2			2	2	Pre-requisite: PSY1010
PSY2040 Human Information Processing<	2	2			2	2	Pre-requisite: PSY1020 and (PSY2100 or STA2300 or STA1003)
PSY3111 Research Methods in Psychology B^^	2	2			2	2	Pre-requisite: PSY2100
General Elective	2	2			2	2	
Year 3							
PSY3010 Assessment of Behaviour	3	1			3	1	Pre-requisite: PSY2100
PSY3030 Abnormal Psychology	3	1			3	1	Pre-requisite: PSY1010
PSY3180 Practicum A			3	1			
PSY3060 Learning and Behaviour Change	3	1			3	1	Pre-requisite: PSY1020
PSY3050 Counselling Psychology$	3	2			3	2	Pre-requisite: PSY1010 or CDS3002
PSY3190 Practicum B<			3	2			Pre-requisite: PSY2105 (for WIL placement) OR students must be enrolled in BSED OR in third year of their psychology program (for Capstone project)
Psychology Elective (from list)	3	2			3	2	
Psychology Elective (from list)	3	2			3	2	

Footnotes

§ Unavailable online in S3 2023
< Not available ONC Ipswich in S2 2023
^^ Not available ONC Toowoomba or ONC Ipswich in S2 2023
$ Not available ONC Toowoomba in S2 2023

Recommended Enrolment Pattern - 12 unit major - Information Technology

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
CSC1401 Foundation Programming£	1	1, 2			1	1, 2	
ELE1301 Computer Engineering	1	1			1	1	
CIS1000 Digital Disruption£	1	1			1	1	
MAT1101 Discrete Mathematics for Computing	1	1			1	1	
CMS1100 Communicating in the Sciences	1	1			1	1,2	
STA1003 Fundamental Statistics§	1	2			1	2	Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertaking the Accounting Major in the BBCM, are not eligible for enrolment.
CSC2408 Software Development Tools	1	2			1	2	Pre-requisite: CSC1401
CSC2406 Web Technology 1	1	2			1	2	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: UCCC or GDTI or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN or BSED
Year 2							
CSC2402 Object-Oriented Programming in C++	2	1			2	1	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN
Choose one of the following two (2) courses (refer to footnote before choosing):							
CIS2000 Systems Analysis and Design#	2	1			2	1	
OR							
CSC1410 Software Engineering Foundations#		2				2	Pre-requisite: CSC1401
First general elective or course from the second major	2	1			2	1	
Second general elective or course from the second major	2	1			2	1	
CSC2401 Algorithms and Data Structures	2	2			2	2	Pre-requisite: CSC2402 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT
Third general elective or course from the second major	2	2			2	2	
One specified course from the major list	2	2			2	2	
Fourth general elective or course from the second major	2	2			2	2	
Year 3							
CIS3002 Agile Methods	3	1			3	1,	Pre-requisite: CIS2000
CSC3412 System and Security Administration	3	1			3	1,	Pre-requisite: CSC2408
Fifth general elective or course from the second major	3	1			3	1	
Sixth general elective or course from the second major	3	1			3	1	
CSC3426 Web Technology 2	3	2			3	2	Pre-requisite: CSC2406
CSC3600 ICT Professional Project	3	2			3	1,2	Students enrolled from 2023 - Pre-requisite: CSC2000 and at least 16 courses including

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
							six other BITC core courses Students en rolled prior to 2023 - Pre-requisite: CIS3002 and at least 16 courses including seven other BITC core courses
Seventh general elective or course from the second major	3	2			3	2	
Eighth general elective or course from the second major	3	2			3	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

§ Unavailable online in S3 2023

Students are not required to complete both CIS2000 Systems Analysis and Design and CSC1410 Software Engineering Foundations. CSC1410 Software Engineering Foundations is only offered in Semester 2. If a student chooses to complete CSC1410 Software Engineering Foundations in Semester 2 then the student will need to complete the fourth general elective or course from the second major in Semester 1.

Recommended Enrolment Pattern - 12 unit major - Astronomical and Space Sciences

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
PHY1104 Physics 1	1	1			1	1		Co-requisite: (MAT1102 or ENM2600) or Students must be enrolled in one of the fol lowing Programs: MSCN or GDSI or GCSC
PHY1101 Astronomy 1	1	1			1	1		
MAT1102 Algebra and Calculus I	1	1			1	1		
SCI1001 Succeeding in Science	1	1			1	1		
CMS1100 Communicating in the Sciences					1	1,2		
MAT2100 Algebra and Calculus II	1	2			1	2		Pre-requisite: MAT1102 or MAT1502 or ENM1600 or S tudents must be enrolled in the following program: MSCN or MEPR or BSED
PHY1911 Physics 2	1	2			1	2		Co-requisite: (MAT2100 or ENM1600) or Students must be enrolled in one of the fol lowing Programs: MSCN or GDSI or GCSC
PHY1107 Astronomy 2	1	2			1	2		
Year 2								
PHY3303 Modern Physics#			2	1			HR	Pre-requisite: PHY1104 and PHY1911
Course selected from 2nd major area or minor or general elective	2	1			2	1		
Choose one of the following three (3) courses:								
PHY2204 Astronomical Techniques					2	1,2		Pre-requisite: PHY1104 and PHY1911
PHY2206 Medical Physics					2	1,2		
PHY2208 Planetary and Exoplanetary Science					2	1,2		Pre-requisite: PHY1101

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
STA1003 Fundamental Statistics§	2	1,2,3			2	1,2,3		Enrolment is not permitted in STA1003 if STA2300 or S TA8170 or STA6200 or STA1004 has been previous ly completed. Students en rolled in the BACT, or under taking the Accounting Major in the BBCM, are not eligible for enrolment.
PHY2207 Optics					2	2		Pre-requisite: PHY1104 and PHY1911
Choose one of the following three courses								
PHY2204 Astronomical Techniques					2	2		Pre-requisite: PHY1104 and PHY1911
PHY2206 Medical Physics					2	2		
PHY2208 Planetary and Exoplanetary Science					2	2		Pre-requisite: PHY1101
CSC1401 Foundation Programming£	2	1,2,3			2	1,2,3		
Course selected from minor or general elective	2	1,2			2	1,2,3		
Year 3								
PHY3305 Quantum Mechanics					3	1		Pre-requisite or Co-requisite: PHY3303
PHY3306 Solar and Stellar Astronomy					3	1		Pre-requisite: PHY1104 and PHY1911
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
Course selected from 2nd major area or minor or general elective					3	1,2		
Course selected from 2nd major area or minor or general elective	3	2			3	2		
PHY3304 Photonics#			3	2			HR	Pre-requisite: PHY1104 and PHY1911
PHY3307 Galactic and Extragalactic Astronomy					3	2		Pre-requisite: PHY1104 and PHY1911
Course selected from 2nd major area or minor or general elective	3	2			3	2		

Footnotes

This offering has a highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

§ Unavailable online in S3 2023

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Recommended Enrolment Pattern - 12 Unit major - Mathematics and Statistics Extended

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
CMS1100 Communicating in the Sciences	1	1			1	1, 2	
SCI1001 Succeeding in Science	1	1			1	1	
MAT1102 Algebra and Calculus I	1	1			1	1	
STA1003 Fundamental Statistics§	1	1,2			1	1,2,3	Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertaking the Accounting Major in the BBCM, are not eligible for enrolment.
CSC1401 Foundation Programming£	1	1,2,3			1	1,2,3	
MAT2200 Operations Research 1	1	2			1	2	Pre-requisite: MAT1102 or ENM1600 or equivalent or approval from the examiner. Enrolment is not permitted in MAT2200 if MAT1200 has been previously completed.
MAT2100 Algebra and Calculus II	1	2			1	2	Pre-requisite: MAT1102 or MAT1502 or ENM1600 or Students must be enrolled in the following program: MSCN or MEPR or BSED
General Elective (or second major)	1	2			1	2	
Year 2							
MAT2409 High Performance Numerical Computing†	2	1			2	1	Pre-requisite: (CSC2410 or CSC1401) and (MAT1102 or ENM1600) or Students must be enrolled in one of the following Programs: MPIT or MCOT or MCTE
STA2301 Distribution Theory	2	1			2	1	Pre-requisite: (STA2300 or STA1003 or equivalent) and (MAT1102 or ENM1600)
STA3300 Experimental Design	2	1			2	1	Pre-requisite: STA2300 or STA1003 or equivalent or approval of examiner
General Elective (or second major)	2	1			2	1	
STA2302 Statistical Inference					2	2	Pre-requisite: STA2301
STA3301 Statistical Models>	2	2			2	2	Pre-requisite: STA3300 or approval of examiner or Students must have completed STA8170 or STA6200 and be enrolled in one of the following Programs: GCSC or GDSI or MSCN or MADS or MSCR or DPHD.
General Elective or second major	2	2			2	2	
General Elective or second major	2	2			2	2	
Year 3							
MAT3105 Harmony of Partial Differential Equations+	3	1			3	1	Pre-requisite: ENM2600 or MAT2100 or MAT2500
MAT3201 Operations Research 2*†	3	1			3	1	Pre-requisite: MAT1200 or MAT2200 or Students must be enrolled in one of the following Programs: MSCN or GDSI
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3			Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
STA3200 Multivariate Statistical Methods					3	1	Pre-requisite: STA2300 or STA1003 Enrol ment is not permitted in STA3200 if S TA8005 or STA6100 have been previously completed
General Elective or second major	3	2			3	2	
General Elective or second major	3	2			3	2	
MAT3103 Mathematical Modelling and Dynamical Systems+	3	2			3	2	Pre-requisite: MAT2100 or MAT2500 or ENM2600
General Elective or second major	3	2			3	2	

Footnotes

§ Unavailable online in S3 2023
£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024
† Unavailable on-campus at Toowoomba in S1 2023
> Unavailable Semester 2, 2023 Toowoomba On-campus
+ The on-campus offering of this course is offered in even-numbered years only.
* The on-campus offering of this course is offered in odd-numbered years only.

Recommended Enrolment Pattern - BSCP - Psychology

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
SCI1001 Succeeding in Science	1	1			1	1	
HAC1000 The Skilful Communicator	1	2			1	2,3	Enrolment is not permitted in HAC1000 if CMS1000 or CMS1100 has been previously completed
PSY1010 Foundation Psychology A	1	1			1	1,3	
General Elective	1	1			1	1	
PSY1030 Cross-Cultural and Indigenous Psychology	1	2			1	2,3	
PSY1020 Foundation Psychology B	1	2			1	1, 2	
STA1003 Fundamental Statistics§	1	2			1	1,2,3	Enrolment is not permitted in STA1003 if S TA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertak ing the Accounting Major in the BBCM, are not eligible for enrolment.
General Elective	1	2			1	2	
Year 2							
PSY2010 Social Processes of Behaviour	2	1			2	1	Pre-requisite: PSY1010
PSY2020 Motivation and Emotion	2	1			2	1	Pre-requisite: PSY1010 and PSY1020
PSY2100 Research Methods in Psychology A	2	1			2	1	Pre-requisite: PSY1010 and (STA2300 or STA1003). For students enrolled in Program BSSC with a major in BES: PSY1010 and STA3100
General Elective	2	1			2	1	
PSY2030 Developmental Psychology	2	2			2	2	Pre-requisite: PSY1010
PSY2040 Human Information Processing<	2	2			2	2	Pre-requisite: PSY1020 and (PSY2100 or STA2300 or STA1003)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
PSY3111 Research Methods in Psychology B^^	2	2			2	2	Pre-requisite: PSY2100
General Elective	2	2			2	2	
Year 3							
PSY3010 Assessment of Behaviour	3	1			3	1	Pre-requisite: PSY2100
PSY3030 Abnormal Psychology	3	1			3	1	Pre-requisite: PSY1010
PSY3060 Learning and Behaviour Change	3	1			3	1	Pre-requisite: PSY1020
General Elective	3	1			3	1	
PSY3050 Counselling Psychology$	3	2			3	2	Pre-requisite: PSY1010 or CDS3002
General Elective	3	2			3	2	
General Elective	3	2			3	2	
General Elective	3	2			3	2	

Footnotes

§ Unavailable online in S3 2023
< Not available ONC Ipswich in S2 2023
^^ Not available ONC Toowoomba or ONC Ipswich in S2 2023
$ Not available ONC Toowoomba in S2 2023

Recommended Enrolment Pattern - 8 unit major - Animal Science

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
SCI1001 Succeeding in Science	1	1			1	1		
CMS1100 Communicating in the Sciences	1	1			1	1,2		
STA1003 Fundamental Statistics§	1	1,2			1	1		Enrolment is not permitted in STA1003 if STA2300 or S TA8170 or STA6200 or STA1004 has been previous ly completed. Students en rolled in the BACT, or under taking the Accounting Major in the BBCM, are not eligible for enrolment.
AGR1101 Animal Health, Welfare and Behaviour*	1	1	1	1			HR	
BIO2103 Biology 2$*	1	2	1	2			HR	
AGR2301 Agricultural Science	1	2			1	2		
MAT1100 Foundation Mathematics	1	2			1	2		Enrolment is not permitted in MAT1100 if ENM1500 or MAT2100 or MAT1102 or ENM1600 or ENM2600 has been previously completed
General Elective (Or Major 2)	1	2			1	2		
Year 2								
AGR2201 Animal Production Systems*	2	1	2	1			HR	
General Elective (Or Major 2)	2	1			2	1		
General Elective (Or Major 2)	2	1			2	1		

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
General Elective (Or Major 2)	2	1			2	1		
AGR2203 Animal Nutrition*	2	2	2	2			HR	Pre-requisite: BIO2103
BIO2219 Genetics	2	2			2	2		Pre-requisite: BIO1100 or BIO1101 or BIO1204 or AGR1101
General Elective (Or Major 2)	2	2			2	2		
General Elective (Or Major 2)	2	2			2	2		
Year 3								
General Elective (Or Major 2)	3	1			3	1		
AGR3202 Animal Reproduction*	3	1	3	1			HR	Pre-requisite: AGR1101 and BIO2103
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
General Elective (Or Major 2)	3	1			3	1		
AGR3302 Sensors and Technology in Animal Production*	3	2	3	2			HR	
General Elective (Or Major 2)	3	2			3	2		
General Elective (Or Major 2)	3	2			3	2		
General Elective (Or Major 2)	3	2			3	2		

Footnotes

§ Unavailable online in S3 2023

* This offering has a highly recommended residential school for on-campus and external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

$ If students are enrolled in the Biology Major as well as the Animal Science major, students are to take AGR2303 Agronomy in place of BIO2103 Biology 2.

Recommended Enrolment Pattern - 8 unit major - Biology

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
BIO1101 Biology 1*	1	1	1	1			HR	
SCI1001 Succeeding in Science	1	1			1	1		
CMS1100 Communicating in the Sciences	1	1			1	1,2		
CHE1110 Chemistry 1*	1	1	1	1			HR	
STA1003 Fundamental Statistics§	1	1,2			1	1,2,3		Enrolment is not permitted in STA1003 if STA2300 or S TA8170 or STA6200 or STA1004 has been previous ly completed. Students en rolled in the BACT, or under taking the Accounting Major in the BBCM, are not eligible for enrolment.
MAT1100 Foundation Mathematics	1	2			1	2		Enrolment is not permitted in MAT1100 if ENM1500 or MAT2100 or MAT1102 or

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
								ENM1600 or ENM2600 has been previously completed
BIO2103 Biology 2#	1	2	1	2			HR	
CHE2120 Chemistry 2*	1	2	1	2			HR	Pre-requisite: CHE1110
BIO2107 Cell and Molecular Biology 1#	2	1	2	1			HR	Pre-requisite: CHE2120
General Elective (Or Major 2)	2	1			2	1		
General Elective (Or Major 2)	2	1			2	1		
General Elective (Or Major 2)	2	1			2	1		
BIO2219 Genetics	2	2			2	2		Pre-requisite: BIO1100 or BIO1101 or BIO1204 or AGR1101
General Elective (Or Major 2)	2	2			2	2		
General Elective (Or Major 2)	2	2			2	2		
General Elective (Or Major 2)	2	2			2	2		
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
General Elective (Or Major 2)	3	1			3	1		
General Elective (Or Major 2)	3	1			3	1		
General Elective (Or Major 2)	3	1,2			3	1,2		
BIO3318 Plant Microbe Interactions#	3	2	3	2			HR	Pre-requisite: BIO1101 or S tudents must be enrolled in one of the following Program s: BATM or BENV or GCSC or GDSI or MSCN
BIO3207 Cell and Molecular Biology 2#	3	2	3	2			HR	Pre-requisite: BIO2107
General Elective (Or Major 2)	3	1,2			3	1,2		
General Elective (Or Major 2)	3	1,2			3	1,2		

Footnotes

* This offering has a highly recommended residential school for external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

§ Unavailable online in S3 2023

\# This offering has a highly recommended residential school for on-campus and external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Recommended Enrolment Pattern - 8 unit major - Computing

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
ELE1301 Computer Engineering	1	1			1	1	
SCI1001 Succeeding in Science	1	1			1	1	
CSC1401 Foundation Programming£	1	1,2			1	1, 2, 3	
CMS1100 Communicating in the Sciences	1	1			1	1,2	
CSC1410 Software Engineering Foundations		2				2	Pre-requisite: CSC1401
STA1003 Fundamental Statistics§	1	1,2			1	1,2,3	Enrolment is not permitted in STA1003 if S TA2300 or STA8170 or STA6200 or

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
							STA1004 has been previously completed. Students enrolled in the BACT, or undertak ing the Accounting Major in the BBCM, are not eligible for enrolment.
General Elective (or major 2)	1	2			1	2	
General Elective (or major 2)	1	2			1	2	
Year 2							
CSC2408 Software Development Tools	2	1,2			2	1, 2	Pre-requisite: CSC1401
General Elective (or major 2)	2	1			2	1	
General Elective (or major 2)	2	1			2	1	
General Elective (or major 2)	2	1			2	1	
CSC2406 Web Technology 1	2	2			2	2	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: UCCC or GDTI or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN or B SED
General Elective (or major 2)	2	2			2	2	
General Elective (or major 2)	2	2			2	2	
General Elective (or major 2)	2	2			2	2	
Year 3							
CSC3400 Database Systems£	3	1			3	1	Pre-requisite: CSC1401 or CIS1000 Enrol ment is not permitted in CSC3400 if CIS2002 has been previously completed.
CSC3412 System and Security Administration	3	1			3	1	Pre-requisite: CSC2408
CSC3426 Web Technology 2	3	2			3	2	Pre-requisite: CSC2406
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3			Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
General Elective (or major 2)	3	1,2			3	1,2	
General Elective (or major 2)	3	1,2			3	1,2	
General Elective (or major 2)	3	1,2			3	1,2	
General Elective (or major 2)	3	1,2			3	1,2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

§ Unavailable online in S3 2023

Recommended Enrolment Pattern - 8 unit major - Environment and Sustainability

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
REN1201 Environmental Studies+	1	1			1	1	Enrolment is not permitted in REN1201 if REN8101 has been previously completed.
CLI1110 Weather and Climate	1	1			1	1	
SCI1001 Succeeding in Science	1	1			1	1	
CMS1100 Communicating in the Sciences*	1	1			1	1,2	
General Elective (or major 2)	1	2			1	2	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
STA1003 Fundamental Statistics§	1	2			1	2,3	Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertaking the Accounting Major in the BBCM, are not eligible for enrolment.
MAT1100 Foundation Mathematics	1	2			1	2	Enrolment is not permitted in MAT1100 if ENM1500 or MAT2100 or MAT1102 or ENM1600 or ENM2600 has been previously completed
General Elective (Or Major 2)	1	2			2	2	
Year 2							
REN2200 Ecology for Sustainability	2	1			2	1	Enrolment is not permitted in REN2200 if REN8202 has been previously completed.
General Elective (or major 2)	2	1			2	1	
General Elective (or major 2)	2	1			2	1	
General Elective (or major 2)	2	1			2	1	
REN3302 Sustainable Resource Use	2	2			2	2	
CLI2201 Climate Change and Variability					2	2	
General Elective (or major 2)	2	2			2	2	
General Elective (or major 2)	2	2			2	2	
Year 3							
CLI3301 Climate and Environment Risk Assessment					3	1	
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3			Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
General Elective (or major 2)	3	1			3	1	
General Elective (or major 2)	3	1			3	1	
CLI3302 Adaptation to Climate Change					3	2	
REN3301 Biodiversity and Conservation	3	2			3	2	
General Elective (or major 2)	3	2			3	2	
General Elective (or major 2)	3	2			3	2	

Footnotes

+ The Springfield on-campus offer is not available in 2023.
* Students may choose HAC1000 The Skilful Communicator in lieu of CMS1100 Communicating in the Sciences if they wish.
§ Unavailable online in S3 2023

Recommended Enrolment Pattern - 8 unit major – Food Science

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
BIO1810 Introduction to Food Science	1	1			1	1		
SCI1001 Succeeding in Science	1	1			1	1		
CMS1100 Communicating in the Sciences	1	1			1	1,2		
STA1003 Fundamental Statistics§	1	1,2			1	1,2,3		Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
								STA1004 has been previously completed. Students enrolled in the BACT, or undertaking the Accounting Major in the BBCM, are not eligible for enrolment.
MAT1100 Foundation Mathematics	1	2			1	2		Enrolment is not permitted in MAT1100 if ENM1500 or MAT2100 or MAT1102 or ENM1600 or ENM2600 has been previously completed
General Elective (or major 2)	1	2			1	2		
General Elective (or major 2)	1	2			1	2		
General Elective (or major 2)	1	2			1	2		
Year 2								
CHE2810 Food Chemistry	2	1			2	1		
General Elective (or major 2)	2	1			2	1		
General Elective (or major 2)	2	1			2	1		
General Elective (or major 2)	2	1			2	1		
CHE2820 Principles of Food Analysis	2	2			2	2		
BIO2810 Nutrition and Health	2	2			2	2		
General Elective (or major 2)	2	2			2	2		
General Elective (or major 2)	2	2			2	2		
Year 3								
BIO3810 Food Processing*	3	1	3	1			HR	
BIO3820 Food Microbiology*	3	1	3	1			HR	
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
General Elective (or major 2)	3	1			3	1		
BIO3811 Food Product Development*	3	2	3	2			HR	Pre-requisite: BIO1810
BIO3821 Food Quality Assurance*	3	2	3	2			HR	
General Elective (or major 2)	3	2			3	2		
General Elective (or major 2)	3	2			3	2		

Footnotes

§ Unavailable online in S3 2023

* This offering has a highly recommended residential school for both on-campus and external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Recommended Enrolment Pattern - 8 unit major – Geospatial Science

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
GIS1402 Geographic Information Systems£	1	1			1	1	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
SCI1001 Succeeding in Science	1	1			1	1	
CMS1100 Communicating in the Sciences	1	1			1	1,2	
STA1003 Fundamental Statistics§	1	1,2			1	1,2,3	Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertaking the Accounting Major in the BBCM, are not eligible for enrolment.
GIS1401 Geographic Data Presentation	1	2			1	2	
General Elective (or major 2)	1	2			1	2	
General Elective (or major 2)	1	2			1	2	
General Elective (or major 2)	1	2			1	2	
Year 2							
General Elective (or major 2)	2	1			2	1	
General Elective (or major 2)	2	1			2	1	
General Elective (or major 2)	2	1			2	1	
General Elective (or major 2)	2	1			2	1	
GIS2405 Spatial Analysis and Modelling	2	2			2	2	
GIS2407 Web Based Geographic Information System	2	2			2	2	Pre-requisite: GIS1402 or Students must be enrolled in one of the following Programs: GCST or GDST or MSST or MSPT or GCNS or GDNS or MENS
General Elective (or major 2)	2	2			2	2	
General Elective (or major 2)	2	2			2	2	
Year 3							
CSC3400 Database Systems£	3	1			3	1,3	Pre-requisite: CSC1401 or CIS1000 Enrolment is not permitted in CSC3400 if CIS2002 has been previously completed.
GIS3407 GIS Programming and Visualisation	3	1			3	1	Pre-requisite: GIS1402 and CSC1401 or Students must be enrolled in one of the following Programs: GDST or MSST or GCST or MENS or MSPT
GIS3406 Remote Sensing and Image Processing	3	1			3	1	
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3			Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
GIS3008 Applications of GIS and Remote Sensing	3	2			3	2	Pre-requisite: GIS1402 and GIS3406 or Students must be enrolled in one of the following Programs: GCST or GDST or MSPT
General Elective (or major 2)	3	2			3	2	
General Elective (or major 2)	3	2			3	2	
General Elective (or major 2)	3	2			3	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

§ Unavailable online in S3 2023

Recommended Enrolment Pattern - 8 unit major - Human Physiology

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
BIO1204 Introduction to Biomedical Sciences[#]	1	1	1	1			M	
CMS1100 Communicating in the Sciences	1	1			1	1		
SCI1001 Succeeding in Science	1	1			1	1		
BIO1203 Human Anatomy and Physiology 1[£#]	1	1	1	1,3			M	
BIO1104 Medical Microbiology and Immunology 1[#]	1	2	1	2			M	
STA1003 Fundamental Statistics[§]	1	2			1	2,3		Enrolment is not permitted in STA1003 if STA2300 or S TA8170 or STA6200 or STA1004 has been previous ly completed. Students en rolled in the BACT, or under taking the Accounting Major in the BBCM, are not eligible for enrolment.
MAT1100 Foundation Mathematics	1	2			1	2		Enrolment is not permitted in MAT1100 if ENM1500 or MAT2100 or MAT1102 or ENM1600 or ENM2600 has been previously completed
BIO1206 Human Anatomy and Physiology 2[£#]	1	2	1	2			M	Pre-requisite: BIO1203
Year 2								
BIO2118 Systems Physiology and Pharmacology[*]	2	1	2	1			M	Pre-requisite: BIO1203 Co-requisite: STA2300 or STA1003
General Elective (or major 2)	2	1			2	1		
General Elective (or major 2)	2	1			2	1		
General Elective (or major 2)	2	1			2	1		
BIO2218 Concepts in Endocrinology[*]	2	2	2	2			M	Pre-requisite: BIO2118
General Elective (or major 2)	2	2			2	2		
General Elective (or major 2)	2	2			2	2		
General Elective (or major 2)	2	2			2	2		
Year 3								
BIO3102 Human Pathophysiology					3	1		Pre-requisite: BIO2118 and BIO2218
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
General Elective (or major 2)	3	1			3	1		
General Elective (or major 2)	3	1			3	1		
BIO3201 Extreme Physiology and Pharmacology					3	2		Pre-requisite: BIO2118
General Elective (or major 2)	3	2			3	2		
General Elective (or major 2)	3	2			3	2		
General Elective (or major 2)	3	2			3	2		

Footnotes

Mandatory residential school for external students
£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024
§ Unavailable online in S3 2023
* Mandatory residential school for external and on-campus students

Recommended Enrolment Pattern - 8 unit major - Mathematics and Statistics

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
CMS1100 Communicating in the Sciences	1	1			1	1, 2	
SCI1001 Succeeding in Science	1	1			1	1	
MAT1102 Algebra and Calculus I	1	1			1	1	
STA1003 Fundamental Statistics§	1	1,2			1	1,2,3	Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertaking the Accounting Major in the BBCM, are not eligible for enrolment.
CSC1401 Foundation Programming£	1	1,2,3			1	1,2,3	
MAT2200 Operations Research 1	1	2			1	2	Pre-requisite: MAT1102 or ENM1600 or equivalent or approval from the examiner. Enrolment is not permitted in MAT2200 if MAT1200 has been previously completed.
MAT2100 Algebra and Calculus II	1	2			1	2	Pre-requisite: MAT1102 or MAT1502 or ENM1600 or Students must be enrolled in the following program: MSCN or MEPR or BSED
General Elective or second major	1	2			1	2	
Year 2							
MAT2409 High Performance Numerical Computing#†	2	1			2	1	Pre-requisite: (CSC2410 or CSC1401) and (MAT1102 or ENM1600) or Students must be enrolled in one of the following Programs: MPIT or MCOT or MCTE
STA2301 Distribution Theory	2	1			2	1	Pre-requisite: (STA2300 or STA1003 or equivalent) and (MAT1102 or ENM1600)
General Elective or second major	2	1			2	1	
General Elective or second major	2	1			2	1	
General Elective or second major	2	2			2	2	
General Elective or second major	2	2			2	2	
General Elective or second major	2	2			2	2	
General Elective or second major	2	2			2	2	
Year 3							
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3			Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
STA3200 Multivariate Statistical Methods					3	1	Pre-requisite: STA2300 or STA1003 Enrolment is not permitted in STA3200 if STA8005 or STA6100 have been previously completed
STA3300 Experimental Design	3	1			3	1	Pre-requisite: STA2300 or STA1003 or equivalent or approval of examiner

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
General Elective or second major	3	1			3	1	
STA3301 Statistical Models>	3	2			3	2	Pre-requisite: STA3300 or approval of exam iner or Students must have completed S TA8170 or STA6200 and be enrolled in one of the following Programs: GCSC or GDSI or MSCN or MADS or MSCR or DPHD.
General Elective or second major	3	2			3	2	
General Elective or second major	3	2			3	2	
General Elective or second major	3	2			3	2	

Footnotes

§ Unavailable online in S3 2023

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

To enrol in MAT2409 students should ensure they have first completed the prerequisite of CSC2410 (preferred) or CSC1401.

† Unavailable on-campus at Toowoomba in S1 2023

> Unavailable Semester 2, 2023 Toowoomba On-campus

Recommended Enrolment Pattern - 8 unit major - Physics

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
PHY1104 Physics 1	1	1			1	1		Co-requisite: (MAT1102 or ENM2600) or Students must be enrolled in one of the fol lowing Programs: MSCN or GDSI or GCSC
MAT1102 Algebra and Calculus I	1	1			1	1		
SCI1001 Succeeding in Science	1	1			1	1		
Course selected from 2nd major area or minor or general electives	1	1			1	1		
PHY1911 Physics 2	1	2			1	2		Co-requisite: (MAT2100 or ENM1600) or Students must be enrolled in one of the fol lowing Programs: MSCN or GDSI or GCSC
MAT2100 Algebra and Calculus II	1	2			1	2		Pre-requisite: MAT1102 or MAT1502 or ENM1600 or S tudents must be enrolled in the following program: MSCN or MEPR or BSED
CMS1100 Communicating in the Sciences	1	1			1	1,2		
Course selected from 2nd major area or minor or general electives	1	2			1	2		
Year 2								
Choose two (2) of the following three (3) courses								
PHY2204 Astronomical Techniques					2	1		Pre-requisite: PHY1104 and PHY1911
PHY2206 Medical Physics					2	2		

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
PHY2208 Planetary and Exoplanetary Science					2	2		Pre-requisite: PHY1101
STA1003 Fundamental Statistics§	2	1, 2			2	1,2		Enrolment is not permitted in STA1003 if STA2300 or S TA8170 or STA6200 or STA1004 has been previous ly completed. Students en rolled in the BACT, or under taking the Accounting Major in the BBCM, are not eligible for enrolment.
Course selected from 2nd major area or minor or general elective	2	1			2	1		
Course selected from 2nd major area or minor or general elective	2	1			2	1		
PHY2207 Optics					2	2		Pre-requisite: PHY1104 and PHY1911
CSC1401 Foundation Programming£	2	1,2,3			2	1,2,3		
Course selected from 2nd major area or minor or general elective	2	2			2	2		
Year 3								
PHY3303 Modern Physics#			3	1			HR	Pre-requisite: PHY1104 and PHY1911
PHY3305 Quantum Mechanics					3	1		Pre-requisite or Co-requisite: PHY3303
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
Course selected from 2nd major area or minor or general elective	3	1			3	1		
PHY3304 Photonics**#			3	2			HR	Pre-requisite: PHY1104 and PHY1911
Course selected from 2nd major area or minor or general elective	3	2			3	2		
Course selected from 2nd major area or minor or general elective	3	2			3	2		
Course selected from 2nd major area or minor or general elective	3	2			3	2		

Footnotes

§ Unavailable online in S3 2023

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

This offering has a highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

** Students who have completed PHYS313 through UNE are unable to enrol in PHY3304.

Recommended Enrolment Pattern - 8 unit major – Plant Agricultural Science

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
BIO1101 Biology 1*	1	1	1	1			HR	
SCI1001 Succeeding in Science	1	1			1	1		
CMS1100 Communicating in the Sciences	1	1			1	1,2		
STA1003 Fundamental Statistics§	1	1,2			1	1,2,3		Enrolment is not permitted in STA1003 if STA2300 or S TA8170 or STA6200 or STA1004 has been previous ly completed. Students en rolled in the BACT, or under taking the Accounting Major in the BBCM, are not eligible for enrolment.
AGR2301 Agricultural Science	1	2			1	2		
MAT1100 Foundation Mathematics	1	2			1	2		Enrolment is not permitted in MAT1100 if ENM1500 or MAT2100 or MAT1102 or ENM1600 or ENM2600 has been previously completed
General Elective (or major 2)	1	2			1	2		
General Elective (or major 2)	1	2			1	2		
Year 2								
AGR2303 Agronomy	2	1			2	1		
General Elective (or major 2)	2	1			2	1		
General Elective (or major 2)	2	1			2	1		
General Elective (or major 2)	2	1			2	1		
AGR2304 Plant Breeding#	2	2	2	2			HR	Pre-requisite: BIO1101
BIO2202 Plant Physiology#	2	2	2	2			HR	Pre-requisite: BIO1101
General Elective (or major 2)	2	2			2	2		
General Elective (or major 2)	2	2			2	2		
Year 3								
AGR3304 Soil Science	3	1			3	1		
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
General Elective (or major 2)	3	1			3	1		
General Elective (or major 2)	3	1			3	1		
BIO3318 Plant Microbe Interactions#	3	2	3	2			HR	Pre-requisite: BIO1101 or S tudents must be enrolled in one of the following Program s: BATM or BENV or GCSC or GDSI or MSCN
AGR3305 Precision and Smart Technologies in Agriculture	3	2			3	2		
General Elective (or major 2)	3	2			3	2		
General Elective (or major 2)	3	2			3	2		

Footnotes

* This offering has a highly recommended residential school for external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

§ Unavailable online in S3 2023

\# This offering has a highly recommended residential school for on-campus and external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Recommended Enrolment Pattern - 8 unit major - Wildlife Management

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
SCI1001 Succeeding in Science	1	1			1	1		
CMS1100 Communicating in the Sciences	1	1			1	1,2		
WLF2101 Management of Wildlife*	1	1	1	1			HR	
AGR1101 Animal Health, Welfare and Behaviour*	1	1	1	1			HR	
General Elective (Or Major 2)	1	2			1	2		
WLF1201 Field Skills for Wildlife, Game and Pest Management+			1	2			M	
MAT1100 Foundation Mathematics	1	2			1	2		Enrolment is not permitted in MAT1100 if ENM1500 or MAT2100 or MAT1102 or ENM1600 or ENM2600 has been previously completed
WLF2201 Vertebrate Pests and Biosecurity*	1	2	1	2			HR	
Year 2								
STA1003 Fundamental Statistics§	2	1,2			2	1,2,3		Enrolment is not permitted in STA1003 if STA2300 or S TA8170 or STA6200 or STA1004 has been previous ly completed. Students en rolled in the BACT, or under taking the Accounting Major in the BBCM, are not eligible for enrolment.
General Elective (Or Major 2)	2	1			2	1		
General Elective (Or Major 2)	2	1			2	1		
General Elective (Or Major 2)	2	1			2	1		
General Elective (Or Major 2)	2	2			2	2		
General Elective (Or Major 2)	2	2			2	2		
General Elective (Or Major 2)	2	2			2	2		
General Elective (Or Major 2)	2	2			2	2		
Year 3								
WLF3101 Principles of Wildlife Management & Sustainable Use^					3	1		
SCI3301 Science Project					3	1,2		
General Elective (Or Major 2)	3	1			3	1		
General Elective (Or Major 2)	3	1			3	1		
WLF3201 Captive Wildlife Management*^	3	2	3	2			HR	
REN3301 Biodiversity and Conservation	3	2			3	2		

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2 3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
General Elective (Or Major 2)	3	2			3	2		

Footnotes

* This offering has a highly recommended residential school for on-campus and external students (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

\+ This course has a mandatory residential school

§ Unavailable online in S3 2023

^ This course will be introduced in 2024

Recommended Enrolment Pattern - 8 unit major - Wine Science

Students studying part-time should complete the major in a logical sequence as to reflect as close as possible the enrolment pattern below.

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
WIN1101 Grape and Wine Production					1	1		
BIO1101 Biology 1	1	1	1	1				
SCI1001 Succeeding in Science	1	1			1	1		
General Elective (Or Major 2)	1	1			1	1		
General Elective (Or Major 2)	1	2			1	2		
CMS1100 Communicating in the Sciences					1	2		
STA1003 Fundamental Statistics§	1	2			1	2,3		Enrolment is not permitted in STA1003 if STA2300 or S TA8170 or STA6200 or STA1004 has been previou ly completed. Students en rolled in the BACT, or under taking the Accounting Major in the BBCM, are not eligible for enrolment.
General Elective (Or Major 2)	1	2			1	2		
Year 2								
WIN2200 Viticultural and Winemaking Practice			2	1			M	Co-requisite: WIN1101
General Elective (Or Major 2)	2	1			2	1		
General Elective (Or Major 2)	2	1			2	1		
General Elective (Or Major 2)	2	1			2	1		
WIN2215 Wine Biochemistry and Microbiology					2	2		Pre-requisite: WIN1101
WIN2220 Wine Production					2	2		Pre-requisite: WIN1101
WIN2210 Viticultural Principles and Production					2	2		Pre-requisite: WIN1101
General Elective (Or Major 2)	2	2			2	2		
Year 3								
General Elective (Or Major 2)	3	1			3	1		
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
General Elective (Or Major 2)	3	1			3	1		
General Elective (Or Major 2)	3	1			3	1		

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
WIN3310 Wine Sensory Analysis			3	2			M	Pre-requisite: WIN1101
General Elective (Or Major 2)	3	2			3	2		
General Elective (Or Major 2)	3	2			3	2		
WIN3304 Viticultural and Winemaking Practice 2			3	3			M	Pre-requisite: WIN1101

Footnotes

§ Unavailable online in S3 2023

Bachelor of Arts and Bachelor of Business ... (BACB) - BA BBusCom

CRICOS code (International applicants): 099088B

	On-campus*	Online
Start:	No new admissions	No new admissions
Campus:	Springfield, Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place

Footnotes

* Not all courses are available at Springfield campus.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Phone: +61 7 4631 5543 Email: international@usq.edu.au	Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Professional accreditation

Accounting major and Accounting (Extended) major graduates will meet the educational entrance requirements of CPA Australia and Chartered Accountants Australia and New Zealand (CAANZ). This provides Associate membership of CPA Australia, eligibility to study the CPA Australia professional exams and eligibility to study the CAANZ professional exams.

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

The Accounting major and Accounting (Extended) major are accredited by the Chartered Institute of Management Accountants (CIMA) and the Association of International Accountants (AIA).

Successful completion of the Accounting major and Accounting (Extended) major can qualify students for exemptions from the Fundamental level (9 papers) of the Association of Chartered Certified Accountants (ACCA) exams.

Graduates of the Accounting (Extended) major will have completed courses that meet the requirements for membership to the Tax Practitioners Board.

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

The Human Resource Management major is accredited by the Australian Human Resources Institute (AHRI) and satisfies the educational requirements for professional membership of AHRI.

The Marketing major is accredited by the Australian Marketing Institute (AMI), and students are eligible for credit towards becoming a Certified Practising Marketer (CPM) upon completion.

Program aims

The program aims to produce graduates who meet the aims and objectives of both the Bachelor of Arts and the Bachelor of Business .. programs.

Program objectives

Bachelor of Arts

- productively transfer discipline-based competencies in the Humanities and Social Sciences to further learning and professional contexts
- critically evaluate multiple sources of evidence in developing their own individual viewpoint
- clearly and coherently present ideas and logical arguments in a range of modes that are fit for purpose
- act as responsible, ethical citizens based on respect for diversity of cultures and peoples, both locally and globally
- apply relevant theories to researching, planning, and achieving effective solutions to complex problems
- participate both autonomously and collaboratively in informed debates, discussions and activities to produce new ideas, processes and artefacts.

Bachelor of Business

- synthesise business knowledge, disciplinary concepts, theories, principles and processes
- think critically, constructively and logically about business-related issues, problems and theoretical debates
- communicate clearly and concisely in presenting relevant knowledge and ideas to a range of audiences
- apply business-related knowledge and technical skills to resolve problems and make ethical decisions across a range of institutional, national and global contexts
- use initiative, creativity and judgement to plan and implement professional projects
- work autonomously and collaboratively as part of ongoing learning and professional practice.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 07. Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- The specified minimum entry requirement as determined by Australian Tertiary Admission Rank (ATAR), or equivalent qualification.^

- Applicants for the double degree must satisfy the requirements for admission to the Bachelor of Arts and the Bachelor of Business ...
- English Language Proficiency requirements for Category 2.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

^ These are determined by the University for specific programs each Semester. The 2023 ATAR and tertiary entrance ranks are based on agreed QTAC schedules which assess formal study at Year 12 or equivalent level, tertiary, preparatory, professional or vocational qualifications or work experience, as detailed in the QTAC Assessment of Qualifications Manual and QTAC Assessor Guidelines.

Adjustment factors may help you get into the program of your choice by increasing your entrance rank. The additional points don't apply to all applicants or all programs. Please read the information about UniSQ's Adjustment Factors carefully to find out what you may be eligible for.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The Bachelor of Arts and Bachelor of Business double degree comprises 32 units.

Please note: only one extended major can be completed in the Bachelor of Arts and Bachelor of Business double degree.

Area of study	Number of units
Core courses – 12 courses (4 Arts core courses plus 8 Business and Commerce core courses)	12
Arts major courses — (1 x 8–unit major or 1 x 4–unit minor or 4 electives* OR 1 x 12–unit extended major from the Bachelor of Arts^)	8 – 12
Business and Commerce major courses – (1 x 8–unit major or 1 x 12–unit extended major from the Bachelor of Business ..)	8 — 12
Total	**32**

Footnotes

* A minor or 4 electives is only available to students who complete two 8-unit majors

^ Students may also select a major from the Bachelor of Communication and Media or . Students who wish to select a major from the must contact the Faculty of Business, Education, Law and Arts as not all majors are available in this degree)

Required time limits

Students have a maximum of 9 years to complete this program.

Core courses

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Arts courses:			
CMS1000 Communication and Scholarship	1, 2, 3	1, 2	1, 2
ISE1000 Introduction to Aboriginal and Torres Strait Islander Australia	1, 2	1	
HMT1000 History of Western Ideas	2	2	2
HMT2000 Ethical Issues and Human Rights**	1	1	
Business and Commerce courses:			
ACC1101	1, 2, 3	1, 2	1, 2
CIS1000 Digital Disruption£	1, 2, 3	1, 2	1, 2, 3
ECO1000	1, 2, 3	1, 2	2
FIN1101 Corporate Finance	1, 2, 3	1	1, 2
LAW1500 **	1, 2, 3	1, 2	1, 2
MGT1000	1, 2, 3	1	1
MKT1001 Marketing Fundamentals	1, 2, 3	1	1
STA1003 Fundamental Statistics	1, 2, 3	1, 2	2

Footnotes

** (students cannot study both HMT2000 and CDS2000 Ethical Issues and Human Rights in the Human Services within the one degree)

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Recommended enrolment pattern - Toowoomba campus and Online

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CMS1000 Communication and Scholarship*	1	1			1	1, 2, 3	Enrolment is not permitted in CMS1000 if MGT1200 has been previously completed.
CIS1000 Digital Disruption£	1	1			1	1	
ACC1101	1	1			1	1	
ISE1000 Introduction to Aboriginal and Torres Strait Islander Australia	1	1			1	1, 2	
STA1003 Fundamental Statistics	1	2			1	2	Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertak

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
							ing the Accounting Major in the BBCM, are not eligible for enrolment.
LAW1500 **	1	2			1	2	
Arts Minor or Elective	1	2			1	2	
Arts Major	1	2			1	2	
FIN1101 Corporate Finance	2	1			2	1	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major stu dents)
Business and Commerce Major	2	1			2	1	
MGT1000	2	1			2	1	
MKT1001 Marketing Fundamentals	2	1			2	1	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major stu dents)
ECO1000	2	2			2	2	
Arts Major	2	2			2	2	
HMT1000 History of Western Ideas	2	2			2	2	
Business and Commerce Major	2	2			2	2	
Arts Major	3	1			3	1	
Arts Minor or Elective	3	1			3	1	
Arts Minor or Elective	3	1			3	1	
Business and Commerce Major	3	1			3	1	
Arts Major	3	2			3	2	
HMT2000 Ethical Issues and Human Rights #	3	1			3	1	Pre-requisite: HMT1000
Business and Commerce Major	3	2			3	2	
Business and Commerce Major	3	2			3	2	
Arts Major	4	1			4	1	
Arts Minor or Elective	4	1			4	1	
Arts Major	4	1			4	1	
Business and Commerce Major	4	1			4	1	
Business and Commerce Major	4	2			4	2	
Business and Commerce Major	4	2			4	2	
Arts Major	4	2			4	2	
Arts Major	4	2			4	2	

Footnotes

* Students who have completed CMS1009 cannot enrol in CMS1000 Communication and Scholarship.

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

** Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 Introduction to Business and Company Law.

\# students cannot study both HMT2000 Ethical Issues and Human Rights and CDS2000 Ethical Issues and Human Rights in the Human Services within the one degree

Recommended enrolment pattern - Springfield campus

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CMS1000 Communication and Scholarship	1	1					Enrolment is not permitted in CMS1000 if MGT1200 has been previously completed.
CIS1000 Digital Disruption £	1	1					

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ACC1101	1	1					
ISE1000 Introduction to Aboriginal and Torres Strait Islander Australia					1	1	
STA1003 Fundamental Statistics	1	2					Enrolment is not permitted in STA1003 if STA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertaking the Accounting Major in the BBCM, are not eligible for enrolment.
LAW1500 **	1	2					
Arts Minor or Elective	1	2					
Arts Major	1	2					
FIN1101 Corporate Finance	2	1					Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major students)
Business and Commerce Major	2	1					
MGT1000	2	1					
MKT1001 Marketing Fundamentals	2	1					Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major students)
ECO1000	2	2					
Arts Major	2	2					
HMT1000 History of Western Ideas	2	2					
Business and Commerce Major	2	2					
Arts Major	3	1					
Arts Minor or Elective	3	1					
Arts Minor or Elective	3	1					
Business and Commerce Major	3	1					
Arts Major	3	2					
HMT2000 Ethical Issues and Human Rights #	3	1					Pre-requisite: HMT1000
Business and Commerce Major	3	2					
Business and Commerce Major	3	2					
Arts Major	4	1					
Arts Minor or Elective	4	1					
Arts Major	4	1					
Business and Commerce Major	4	1					
Business and Commerce Major	4	2					
Business and Commerce Major	4	2					
Arts Major	4	2					
Arts Major	4	2					

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

** Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 Introduction to Business and Company Law.

Students cannot study both HMT2000 Ethical Issues and Human Rights and CDS2000 Ethical Issues and Human Rights in the Human Servicewithin the one degree.

Bachelor of Business and Bachelor of Information Technology ... (BCIN) - BBus BIT

CRICOS code (International applicants): 092730D

This program will accept no new admissions from Semester 1, 2023. The information relating to this program is applicable to currently enrolled students and students intending to enrol prior to last semester offered Semester 3, 2022. Students who are interested in this study area should contact us **directly.**

	On-campus^	Online
Start:	No new admissions	No new admissions
Campus:	Springfield, Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	4 years full-time, up to 8 years part-time	

Footnotes

^ Limited courses in the Bachelor of Business component are available at Springfield campus in semester 3.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Professional accreditation

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

Accounting major and Accounting (Extended) major graduates will meet the educational entrance requirements of CPA Australia and Chartered Accountants Australia and New Zealand (CAANZ). This provides Associate membership of CPA Australia, eligibility to study the CPA Australia professional exams and eligibility to study the CAANZ professional exams.

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

The Accounting major and Accounting (Extended) major are accredited by the Chartered Institute of Management Accountants (CIMA) and the Association of International Accountants (AIA).

Successful completion of the Accounting major and Accounting (Extended) major can qualify students for exemptions from the Fundamental level (9 papers) of the Association of Chartered Certified Accountants (ACCA) exams.

Graduates of the Accounting (Extended) major will have completed courses that meet the requirements for membership to the Tax Practitioners Board.

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

The Human Resource Management major is accredited by the Australian Human Resources Institute (AHRI) and satisfies the educational requirements for professional membership of AHRI.

The Marketing major is accredited by the Australian Marketing Institute (AMI), and students are eligible for credit towards becoming a Certified Practising Marketer (CPM) upon completion.

Program aims

Bachelor of Business ..

The Bachelor of Business is a professionally-oriented degree program. The aim of the program is to produce graduates who are equipped to identify, describe, analyse and resolve business problems in both the public and private sectors. Successful completion of the program will equip graduates with the skills and knowledge required to undertake employment in relevant professions.

Bachelor of Information Technology

The Bachelor of Information Technology is a vocationally-oriented program which emphasises problem solving through the use of information technology. This program focuses on the effective analysis development and management of information and communication technologies in organisations.

The program's foundation is designed to provide students with knowledge and skills in key areas of IT as well as professionally relevant knowledge, qualities and skills in such areas as problem solving, project management, teamwork, communication and ethics.

Program objectives

The Bachelor of Business and Bachelor of Information Technology double degree encompasses the objectives of both the Bachelor of Business .. and the Bachelor of Information Technology.

Bachelor of Business

Upon successful completion of the Bachelor of Business, students will be able to:

(1) synthesise business knowledge, disciplinary concepts, theories, principles and processes
(2) think critically, constructively and logically about business-related issues, problems and theoretical debates
(3) communicate clearly and concisely in presenting relevant knowledge and ideas to a range of audiences
(4) apply business-related knowledge and technical skills to resolve problems and make ethical decisions across a range of institutional, national and global contexts
(5) use initiative, creativity and judgement to plan and implement professional projects
(6) work autonomously and collaboratively as part of ongoing learning and professional practice.

Bachelor of Information Technology

Upon successful completion of the Bachelor of Information Technology, students will be able to:

(1) demonstrate a professional understanding of the principles of information technology
(2) demonstrate problem-solving skills and ability to learn and use information technology for problem solving
(3) demonstrate an understanding of project management principles and ability to use project management tools
(4) demonstrate effective communication skills (written, verbal) and interpersonal capabilities (teamwork)
(5) identify, collect, analyse and manage information for a broad range of information technology issues and challenges
(6) demonstrate an understanding of ethical standards and socially responsible information technology practices.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 07. Graduates at this level will have broad and coherent knowledge and skills for professional work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- The specified minimum entry requirement as determined by Australian Tertiary Admission Rank (ATAR), or equivalent qualification.^

- English Language Proficiency requirements for Category 2.

Applicants for admission to the Bachelor of Businessand Bachelor of Information Technology double degree must satisfy the requirements for admission to the Bachelor of Business .. and the Bachelor of Information Technology.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

^ These are determined by the University for specific programs each Semester. The 2023 ATAR and tertiary entrance ranks are based on agreed QTAC schedules which assess formal study at Year 12 or equivalent level, tertiary, preparatory, professional or vocational qualifications or work experience, as detailed in the QTAC Assessment of Qualifications Manual and QTAC Assessor Guidelines.

Adjustment factors may help you get into the program of your choice by increasing your entrance rank. The additional points don't apply to all applicants or all programs. Please read the information about UniSQ's Adjustment Factors carefully to find out what you may be eligible for.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The Bachelor of Business and Bachelor of Information Technology double degree comprises 32 single-unit courses.

Area of study	Number of units
Core courses — 12 courses	12
Business courses – 1 x 8–unit major or 1 x 12-unit extended major from the Bachelor of Business ..	8 — 12
Information Technology courses – 8 courses (1 x 8–unit major from the Bachelor of Information Technology)*	8
1 x 4–unit minor or 4 electives^	0 — 4
Total	**32**

Footnotes

* Students taking the Applied Computer Science major, Data Analytics major or Networking and Security major must take the nominated list of courses (MAT1101 Discrete Mathematics for Computing, CSC2406 Web Technology 1 and CSC3600 ICT Professional Project) as part of their electives.

^ A minor or 4 electives is only available to students who complete two 8–unit majors.

Program completion requirements

To be eligible to graduate with the Bachelor of Businessand Bachelor of Information Technology double degree, students must complete (or be awarded credit for prior equivalent study of) all 32 courses as outlined above.

Where credit for prior study is awarded, a student must complete at least 8 courses from the Bachelor of Business .. majors and at least 8 courses from the Bachelor of Information Technology majors to be eligible to graduate with the Bachelor of Business and Bachelor of Information Technology double degree.

Required time limits

Students have a maximum of 9 years to complete this program.

Core courses

The Bachelor of Business and Bachelor of Information Technology double degree comprises 12 core courses as set out below. Students taking the Applied Computer Science major, Data Analytics major or Networking and Security major must take the nominated list of courses (MAT1101 Discrete Mathematics for Computing,

CSC2406 Web Technology 1 and CSC3600 ICT Professional Project) as the three additional core approved courses.

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
ACC1101	1, 2, 3	1, 2	1, 2
CIS1000 Digital Disruption[£]	1, 2, 3	1, 2	1, 2, 3
CIS3002 Agile Methods	1, 2	1	1
CMS1000 Communication and Scholarship	1, 2, 3	1, 2	1, 2
CSC1401 Foundation Programming[£]	1, 2, 3	1, 2, 3	1, 2
CSC2407	2	2	2
ECO1000	1, 2, 3	1, 2	2
FIN1101 Corporate Finance	1, 2, 3	1	1, 2
LAW1500 [+]	1, 2, 3	1, 2	1, 2
MGT1000	1, 2, 3	1	1
MKT1001 Marketing Fundamentals	1, 2, 3	1	1
Select one of the following two courses:			
STA1003 Fundamental Statistics	1, 2, 3	1, 2	2
STA1004 Fundamental Statistics for Accountants			

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

\+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 .

Major studies

A major study is a set of courses that make up a coherent, in-depth study of a specific discipline.

Students completing the Bachelor of Business and Bachelor of Information Technology double degree must complete one major from the Bachelor of Business .. plus one major from the Bachelor of Information Technology.[*]

* Students taking the Applied Computer Science major, Data Analytics major or Networking and Security major must take the nominated list of courses (MAT1101 Discrete Mathematics for Computing, CSC2406 Web Technology 1 and CSC3600 ICT Professional Project) as the three additional core approved courses.

Minor Studies

A minor study is a coherent group of 4 units of courses that provides students with an appropriate breadth of study in their program. Students who wish to take a minor study not listed in the recommended minors must obtain permission from the Faculty of Business, Education, Law and Arts. Before undertaking any course, the pre-requisite courses must be completed or exempted.

Please note:

When students select a minor(s), courses will only count towards that minor(s) if they have not already counted towards another selected major or minor.

Not all minors are available on-campus at all campuses.

Students may choose courses from those listed in the Minor Studies section of this Handbook. Enrolment requirements must be satisfied for any course selected.

Electives/Approved courses

Students may select either a 4-unit minor study or 4 elective courses from courses offered at undergraduate level within Business undergraduate programs or, with the approval of the Faculty of Business, Education, Law and Arts, from other undergraduate programs offered by the University of Southern Queensland. For the purposes of satisfying the electives requirement, students may choose courses from those listed in the Minor Studies section of the Handbook. Enrolment requirements must be satisfied for any course selected.

Students taking the Applied Computer Science major, Data Analytics major or Networking and Security major must take the nominated list of courses (MAT1101 Discrete Mathematics for Computing, CSC2406 Web Technology 1 and CSC3600 ICT Professional Project as the three additional core approved courses.

CSC1402 will not be approved as an elective.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Other program requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Students enrolled in the joint TAFE/UniSQ Diploma programs must complete their Diploma studies at TAFE Queensland before continuing enrolment at UniSQ.

Articulation

Graduates of accredited Australian Training Packages (Diplomas and Advanced Diplomas) have access to established articulation pathways.

Exit points

Students not wishing to complete the Bachelor of Business and the Bachelor of Information Technology double degree may be permitted to exit with a single underlying award. Students may be permitted to exit with the Bachelor of Business .. or, the Bachelor of Information Technology or, any corresponding exit point award provided they have met all of the individual requirements of the respective program.

Credit

Candidates for admission to the Bachelor of Business and Bachelor of Information Technology double degree may be eligible for up to 16 units of credit on the basis of successful completion of relevant, equivalent undergraduate study from a recognised university or institution offering equivalent study. Credit approved in this program will not automatically apply to other programs offered by UniSQ.

Claims for credit for previous study should be submitted prior to or at the time of enrolment. Each claim will be assessed on individual merit in line with UniSQ policy.

Note: Where credit is granted, maximum and minimum duration will be adjusted in the same proportion as credit, for example, where eight units of credit is granted, maximum time will be six years and minimum time will be four semesters.

Recommended enrolment patterns

Given the program structure information, students should plan their enrolment making sure that they have fulfilled all core, major, minor and elective requirements. Enrolment requirements must be satisfied before enrolling in a course.

As a guide, full-time students should plan to undertake 8 courses per year and online students, who are in employment, a maximum of 6 courses per year, with a minimum of 4 courses per year. This is exclusive of any semester 3 enrolments.

Courses are normally offered on-campus and online in the same semester. If a course is offered twice in one year, the second offering will normally be an online offer only. Students undertaking the Bachelor of Businessand Bachelor of Information Technology may not enrol in any postgraduate courses.

Recommended enrolment pattern - Toowoomba and Online

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ACC1101	1	1			1	1	
MGT1000	1	1			1	1	
CIS1000 Digital Disruption£	1	1			1	1	
MKT1001 Marketing Fundamentals	1	1			1	1	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major stu dents)
STA1003 Fundamental Statistics	1	2			1	2	Enrolment is not permitted in STA1003 if S TA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertak ing the Accounting Major in the BBCM, are not eligible for enrolment.
LAW1500 +	1	2			1	2	
CSC1401 Foundation Programming£	1	2			1	2	
Major 1 course 1	1	2			1	2	
CMS1000 Communication and Scholarship	2	1			2	1	Enrolment is not permitted in CMS1000 if MGT1200 has been previously completed.
Major 2 course 1	2	1			2	1	
FIN1101 Corporate Finance	2	1			2	1	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major stu dents)
ECO1000	2	1			2	1	
Major 1 course 2	2	2			23	2	
Major 2 course 2	2	2			3	2	
CSC2407	2	2			2	2	
Major 1 course 3	2	2			2	2	
Major 2 course 3	3	1			3	1	
CIS3002 Agile Methods	3	1			3	1	Pre-requisite: CIS2000
Major 1 course 4	3	1			3	1	
Major 2 course 4	3	1			3	1	
Major 1 course 5	3	2			3	2	
Major 2 course 5	3	2			3	2	
Minor/elective	3	2			3	2	
Major 1 course 6	3	2			3	2	
Major 2 course 6	4	1			4	1	
Major 1 course 7	4	1			4	1	
Major 2 course 7	4	1			4	1	
Major 1 course 8	4	1			4	1	
Minor/elective	4	2			4	2	
Minor/elective	4	2			4	2	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Major 2 course 8	4	2			4	2	
Minor/elective	4	2			4	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

\+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 .

Recommended enrolment pattern - Springfield

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ACC1101	1	1			1	1	
MGT1000	1	1				1	
CIS1000 Digital Disruption£	1	1			1	1	
MKT1001 Marketing Fundamentals	1	1			1	1	Enrolment is not permitted in MKT1001 if MKT1100 has been previously completed (excluding BBIZ 19398 Marketing major stu dents)
STA1003 Fundamental Statistics	1	2			1	2	Enrolment is not permitted in STA1003 if S TA2300 or STA8170 or STA6200 or STA1004 has been previously completed. Students enrolled in the BACT, or undertak ing the Accounting Major in the BBCM, are not eligible for enrolment.
LAW1500 +	1	2			1	2	
CSC1401 Foundation Programming£	1	2			1	2	
Major 1 course 1	1	2			1	2	
CMS1000 Communication and Scholarship	2	1			2	1	Enrolment is not permitted in CMS1000 if MGT1200 has been previously completed.
Major 2 course 1	2	1			2	1	
FIN1101 Corporate Finance	2	1			2	1	Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major stu dents)
Major 1 course 2	2	1			2	1	
ECO1000	2	2			2	2	
Major 2 course 2	2	2			2	2	
CSC2407	2	2			2	2	
Major 1 course 3	2	2			2	2	
Major 2 course 3	3	1			3	1	
CIS3002 Agile Methods	3	1			3	1	Pre-requisite: CIS2000
Major 1 course 4	3	1			3	1	
Major 2 course 4	3	1			3	1	
Major 1 course 5	3	2			3	2	
Major 2 course 5	3	2			3	2	
Minor/elective	3	2			3	2	
Major 1 course 6	3	2			3	2	
Major 2 course 6	4	1			4	1	
Major 1 course 7	4	1			4	1	
Major 2 course 7	4	1			4	1	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Major 1 course 8	4	1			4	1	
Minor/elective	4	2			4	2	
Minor/elective	4	2			4	2	
Major 2 course 8	4	2			4	2	
Minor/elective	4	2			4	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

\+ Students who have successfully completed LAW1101 Introduction to Law should not complete LAW1500 .

Bachelor of Engineering (Honours) Bachelor of Information Technology (BEHI) - BEng(Hons) BIT

QTAC code (Australian and New Zealand applicants): External: 907351; Toowoomba campus: 907352

CRICOS code (International applicants): 079517G

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area please contact us directly .

	On-campus	External
Start:	No new admissions	No new admissions
Campus:	Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	5 years full-time, 8 years part-time or external	
Program articulation:	From: Associate Degree of Engineering; Bachelor of Engineering Science; Bachelor of Engineering (Honours)	

Notes:

See note on part-time study below within the Program Structure section.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

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 (Honours) may apply for chartered status as a Professional Engineer and, when granted, may use the post-nominal MIEAust CPEng.

The Bachelor of Engineering (Honours) 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 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.

Program aims

This combination of an Engineering program with a program in Information Technology provides students with the opportunity to become qualified Engineers with a very strong background in Computer Systems and Applied Computer Science.

Graduates of this combined program will have a high level of knowledge of both hardware and software components of computer systems and the interrelationships between the two. They will have well-developed skills in both hardware and software design and development.

For more details of the two programs that comprise this award, applicants are asked to refer to the Engineering and Built Environment and the Information Technology sections of this Handbook.

Program objectives

Graduates of the Bachelor of Engineering (Honours) Bachelor of Information Technology program will have met the separate objectives of the Bachelor of Engineering (Honours) and the Bachelor of Information Technology programs.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 08. Graduates at this level will have advanced knowledge and skills for professional or highly skilled work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Have achieved a minimum Australian Tertiary Admission Rank (ATAR) of **74.15**, or equivalent qualification.^

- Subject Pre-requisites: English (Units 3 & 4, C) and Mathematical Methods (Units 3 & 4, C) or equivalent.
- English Language Proficiency requirements for Category 2.

Applicants are advised to also note the following:

- Recommended Prior Study: Physics (Units 3 & 4, C) or equivalent.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

^ These are determined by the University for specific programs each Semester. The 2023 ATAR and tertiary entrance ranks are based on agreed QTAC schedules which assess formal study at Year 12 or

equivalent level, tertiary, preparatory, professional or vocational qualifications or work experience, as detailed in the QTAC Assessment of Qualifications Manual and QTAC Assessor Guidelines.

Adjustment factors may help you get into the program of your choice by increasing your entrance rank. The additional points don't apply to all applicants or all programs. Please read the information about UniSQ's Adjustment Factors carefully to find out what you may be eligible for.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The program involves five years of full-time study.

Students may apply for admission to study part-time or externally, however applicants should ensure they are able to complete this program within the maximum duration of ten years. To achieve this, students will need to complete a minimum of four units of study per year. To complete the program part-time within the standard duration of eight years, students will need to complete a minimum of five units of study per year.

Where students intend to complete the program using a combination of full-time and part-time study, the maximum time for completion will be calculated on a pro-rata basis.

The Bachelor of Engineering (Honours) Bachelor of Information Technology is a 40 unit program consisting of Academic courses and Practice courses.

Academic courses are one-unit courses and involve approximately 155 hours of student work per unit.

Practice courses are zero unit courses and each involves approximately 50 hours of student work.

Required time limits

Students have a maximum of 10 years to complete this program.

Electives/Approved courses

Approved courses are included in the list of Academic courses. Students should select these courses from the approved courses list.

Practical experience

To be eligible to graduate from the Bachelor of Engineering (Honours) Bachelor of Information Technology, students must obtain an aggregate of at least 60 days of suitable work experience during their program. This experience may be in an engineering office or laboratory where the student would be working principally with professional engineers and engineering associates. It may, however, be preferable for students to spend some time in field or factory activities to gain insight into industrial practice and to see what is involved in converting designs into finished products.

Students are required to enrol in ENG4909 Work Experience - Professional in the latter part of their program and keep a record of appropriate experience as specified in the Course Specification. The work experience is to be endorsed by an appropriate person in the organisation providing the experience and submitted to the examiner. The student must meet all costs associated with the acquisition of work experience to satisfy this requirement.

The record of work experience must be made available for perusal by the Faculty of Health, Engineering and Sciences upon request. The acceptability or otherwise of employment experience, and the period of that type of experience that may be credited towards the 60 days, will be determined by the Examiner of ENG4909 Work Experience - Professional.

Credit or exemptions for ENG4909 Work Experience - Professional will not normally be considered.

IT requirements

Access to an up-to-date computer is necessary. On-campus students can access appropriately equipped laboratories, but should consider acquisition of their own computer. External students should be able to access a computer with the following minimum standards as advised by the University. All students should have access to email and the Internet via a computer running the latest versions of Internet web browsers such as Internet Explorer or Firefox. The University has a wireless network for on-campus students' computers. In order to take advantage of this facility and further enhance their on-campus learning environment, students should consider purchasing a notebook/laptop computer with wireless connectivity. Specialist software is required for some courses.

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: R = Recommended; HR = Highly Recommended; M = Mandatory. To find out more about residential schools, visit the Residential School Schedule to view specific dates for your degree, or visit the Policy and Procedure Library.

Students are required to undertake practical and professional activities relevant to their program through enrolment in a series of Practice courses in the program. Practice courses are zero unit courses that may be undertaken in either on-campus or external mode and the final grades available are Pass (P)/Fail (F) only. They are a compulsory part of the program and do not attract a student contribution charge for Australian residents or a tuition fee for international students. The recommended enrolment schedule for Practice courses is shown in the Recommended Enrolment Pattern for the program in this Handbook.

External students must attend a number of residential schools during their program to obtain experience in practical and professional activities appropriate to the program. The residential schools are included in Practice courses which are conducted in Semester 3 or during the recess periods. The dates for each residential school Practice course are shown in the Residential School schedule in this Handbook and external students should ensure they are able to attend the residential school prior to enrolling in a Practice course. Personal protective equipment is compulsory in many engineering, construction and spatial science laboratories, students should confirm the requirements before attending residential schools for Practice courses.

Students who enrol in on-campus mode for Practice courses normally undertake a series of weekly activities and/or attend a compulsory residential school.

ENG3902 Professional Practice 1 and ENG4110 Engineering Research Methodology is to be studied in the student's penultimate year. Upon completion of ENG3902 Professional Practice 1, students must study ENG4111 Research Project Part 1 and ENG4112 Research Project Part 2 and ENG4903 Professional Practice 2 in the same academic year.

Exit points

Students who, for whatever reason, are unable to complete the Bachelor of Engineering (Honours) Bachelor of Information Technology and who satisfy all of the requirements of any of the Bachelor of Engineering (Honours), the Bachelor of Engineering Science, the Associate Degree of Engineering or the Diploma of Engineering Studies may be permitted to exit with that award.

Credit

Exemptions/credit will be assessed based on the UniSQ Credit and Exemption Procedure.

Work Experience

Work and industrial experience that has not been formally assessed, does not normally qualify for course credit in the Bachelor of Engineering (Honours) Bachelor of Information Technology program. Existing work experience may be used to satisfy the practical/work experience requirements when completing the ENG4909 Work Experience - Professional practice course.

Course transfers

Students who are enrolled in either the Bachelor of Engineering (Honours) program or the Bachelor of Information Technology program may transfer to the program with advanced standing. If they have completed up to one year of one of those programs they would normally be able to complete the program in the minimum time, after four more years of full-time study. Other students may require longer than the minimum time.

Honours

The level of honours awarded will be determined based on the UniSQ procedure. Please refer to the Class of Honours Standard Schedule.

Computer Systems Engineering and Applied Computer Science recommended enrolment pattern

To satisfy the requirements of the program students must complete all of the Academic and Practice courses in the following table that shows the recommended enrolment patterns for on-campus and external students for our Toowoomba campus. Students following a non-standard enrolment pattern should consult the course specification to ascertain if a course is offered in another term.

Major study: Computer Systems Engineering; Applied Computer Science (Major Study Code: 11985)								
Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Academic Courses Year 1								
ENG1004 Engineering Problem Solving Principles	1	1				1,2		
ENM1600 Engineering Mathematics	1	1				1,2		Enrolment is not permitted in ENM1600 if MAT1102 or MAT1502 has been previously completed
ELE1301 Computer Engineering	1	1				1		
ELE1502 Electronic Circuits	1	1				1		
CSC1401 Foundation Programming[£]	1	2				1,2,3		
ENG1100 Introduction to Engineering Design	1	2				1,2		

Major study: Computer Systems Engineering; Applied Computer Science (Major Study Code: 11985)								
Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ELE1801 Electrical Technology§	1	2				2,3		Pre-requisite: ENM1500 or ENM1600 or Students must be enrolled in one of the fol lowing Programs: MEPR or GCEN or GEPR
ENG1002 Introduction to Engineering and Built Environment Applications	1	2				1,2		
Practice Courses Year 1								
ENG1901 Engineering Practice 1	1	1		2,3			M	
ELE1911 Electrical and Electronic Practice A	1	2		3			M	
Academic Courses Year 2								
ENM2600 Advanced Engineering Mathematics	2	1				1		Pre-requisite: ENM1600 or Students must be enrolled in one of the following Program s: GCEN or METC or MENS or GDNS or MEPR or MSCN
MAT1101 Discrete Mathematics for Computing	2	1				1		
ELE2303 Embedded Systems Design	2	1				1		Pre-requisite: ELE1301
CSC2402 Object-Oriented Programming in C++	2	1				1		Pre-requisite: CSC1401 or Students must be enrolled in one of the following Program s: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN
ENG2002 Technology, Sustainability and Society	2	2				1,2,3		
ENG3104 Engineering Simulations and Computations	2	2				2		Pre-requisite: (ENM2600 or MAT2100 or MAT2500) or S tudents must be enrolled in one of the following Program s: GDET or METC or GDNS or MENS
ELE2103 Linear Systems and Control	2	2				2		
ELE2504 Electronic Design and Analysis	2	2				2		Pre-requisite: ELE1502 or S tudents must be enrolled in one of the following Program s: MEPR or GDNS or MENS or GCNS or GCEN or GEPR Students cannot be enrolled in ELE2503 and ELE2504 in the same semester
Practice Courses Year 2								
ELE2912 Electrical and Electronic Practice B	2	1		3			M	Pre-requisite: (ELE1301 and ELE1502 and ELE1801) or Students must be enrolled in one of the following Program s: GDNS or MENS
Academic Courses Year 3								
ELE3105 Computer Controlled Systems	3	1				1		Pre-requisite: ELE2103 or S tudents must be enrolled in one of the following Program s: GCNS or GCEN or GDNS or MEPR or MENS or METC or GEPR

Major study: Computer Systems Engineering; Applied Computer Science (Major Study Code: 11985)								
Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ELE3305 Computer Systems and Communications Protocols	3	1				1		
Approved course (Select from the approved course list)	3	1				1		
ELE2601 Telecommunications Principles	3	1				1		Pre-requisite: (ELE1502 and ELE1801) or Students must be enrolled in one of the fol lowing Programs: GCEN or METC or GEPR
ELE3107 Signal Processing	3	2				2		
ELE3307	3	2				2		
CSC2406 Web Technology 1	3	2				2		Pre-requisite: CSC1401 or Students must be enrolled in one of the following Program s: UCCC or GDTI or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN or BSED
CSC2407	3	2				2		
Practice Courses Year 3								
ELE2913 Electrical and Electronic Practice C						2		Pre-requisite: (ELE1301 and ELE1502 and ELE1801) or Students must be enrolled in one of the following Program s: GDNS or MENS
ELE3914 Electrical and Electronic Practice D	3	1		2			M	Pre-requisite: (ELE1801 and ELE1301 and ELE1502) or Students must be enrolled in one of the following Program s: MENS or MEPR
ELE3915 Electrical and Electronic Practice E	3	2		2			M	Pre-requisite: ELE1801 and ELE1301 and ELE1502 or S tudents must be enrolled in one of the following Program s: MENS or MEPR
Academic Courses Year 4								
CIS3002 Agile Methods	4	1				1,2		Pre-requisite: CIS2000
CSC3400 Database Systems[£]	4	1				1		Pre-requisite: CSC1401 or CIS1000 Enrolment is not permitted in CSC3400 if CIS2002 has been previously completed.
CSC3412 System and Security Administration	4	1				1		Pre-requisite: CSC2408
CSC2408 Software Development Tools	4	1,2				1,2		Pre-requisite: CSC1401
Approved course (Select from the approved course list)	4	1,2				1,2		
CSC3600 ICT Professional Project[^^]	4	2				2		Students enrolled from 2023 - Pre-requisite: CSC2000 and at least 16 courses including six other BITC core courses Students enrolled prior to 2023 - Pre-requisite: CIS3002 and at least 16 courses includ ing seven other BITC core courses

Major study: Computer Systems Engineering; Applied Computer Science (Major Study Code: 11985)								
Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
CSC2401 Algorithms and Data Structures	4	2				2		Pre-requisite: CSC2402 or Students must be enrolled in one of the following Program s: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT
ENG4110 Engineering Research Methodology	4	2				2		
Practice Courses Year 4								
ENG3902 Professional Practice 1				2			M	Pre-requisite: Students must be enrolled in one of the fol lowing Programs: BCNH or BCON or BEBB or BEBC or BEHB or BEHI or BEHS or BENG or BENH or MENS
Academic Courses Year 5								
ENG4111 Research Project Part 1	5	1				1		Pre-requisite: ENG3902 and ENG4110 and Students must be enrolled in one of the fol lowing Programs: BCNH or BCON or BEBB or BEBC or BEHB or BEHI or BEHS or BENG or BENH Undergradu ate students must have com pleted 22 units in their pro gram.
CSC3403 Comparative Programming Languages	5	1				1		Pre-req: CSC2408; and Pre-req or Co-req: CSC2402; or Students must be enrolled in one of the following Program s: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT Enrolment is not permitted in CSC3403 if CIS3001 has been previous ly completed
ENG3003 Engineering Management†	5	1				1,3		
Approved course (Select from the approved course list)	5	1				1		
ENG4112 Research Project Part 2^	5	2				2		Pre-requisite: ENG4111 and Students must be enrolled in one of the following Program s: BCNH or BCON or BEBB or BEBC or BEHB or BEHI or BEHS or BENG or BENH
Approved Course (Select from the approved course list)	5	2				2		
Approved Course (Select from the approved course list)	5	2				2		
CSC2404 Operating Systems	5	2				2		Pre-requisite: CSC1401 or CSC2408 or have experience using Linux systems or stu dents must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT

Major study: Computer Systems Engineering; Applied Computer Science (Major Study Code: 11985)								
Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Practice Courses Year 5								
ENG4903 Professional Practice 2	5	1		2			M	Pre-requisite: ENG3902 and Students must be enrolled in: BCNH or BCON or BEBB or BEBC or BEHB or BEHI or BEHS or BENG or BENH or MENS. Students cannot enrol in ENG3902 & ENG4903 in the same semester. Co-requisite: ENG4111 or ENG4112 or ENG8411 or ENG8412
ENG4909 Work Experience - Professional						1,2,3		
Select approved courses from the following or other elective courses as approved by the Program Coordinator:								
CSC3407		1				1		
CSC3413 Network Design and Analysis		2				2		Pre-requisite: CSC3412
CSC3420 Mobile Internet Technology		1				1		Pre-requisite: CSC3407 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT
CSC3426 Web Technology 2		2				2		Pre-requisite: CSC2406
CSC3427 Switching, Wireless and WAN Technologies		2				2		Pre-requisite: CSC3407 or CSC1310 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT
ELE3506 Electronic Measurement		2				2		Pre-requisite: (ELE1502 and (ELE2101 or ELE2103) and (ELE2503 or ELE2504)) or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or MENS
ELE3804 Power Systems Protection						1		
ELE4606 Communication Systems		2				2		Pre-requisite: (ELE2504 and ELE2601) or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or MENS or GCNS or GDNS
ELE4607 Advanced Digital Communications		1				1		Pre-requisite: ELE1301 or Students must be enrolled in one of the following Programs: GCEN or METC or GCNS or GDNS or MENS or MEPR
ELE5001 Industrial Communications Protocols		1				1		Pre-requisite: ELE2601 or Students must be enrolled in the following Program: GCNS, GDNS, MENS or MEPR

Major study: Computer Systems Engineering; Applied Computer Science (Major Study Code: 11985)								
Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ENG4004 Engineering Project and Operations Management‡						2,3		
MEC2501 Process Control Systems						2		Pre-requisite: ELE2103 or (MEC1501 and ELE2101 as Co-requisite or Pre-requisite) or Students must be enrolled in the following Program: GEPR
MEC4406 Robotics and Machine Vision		2				2		Pre-requisite: MEC2401 or ELE2103 or Students must be enrolled in one of the fol lowing Programs: MENS or GCEN
CIV1501 Engineering Statics		2				2,3		Pre-requisite: ENM1600 or (ENM1500 and CIV1500) or Students must be enrolled in one of the following Program s: MEPR or GCEN or GEPR

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

§ Unavailable online in S3 2023

^^ Students who have completed at least 24-units in the program (prior to S1 2021) are encouraged to complete CSC3600 as one of their approved courses. Students who have completed less than 24-units in the program (prior to S1 2021) must complete CSC3600 instead of one approved course.

† The semester 3 offering of this course is offered in odd numbered years only.

^ It is recommended that students should also be enrolled in ENG4903 Professional Practice 2 while undertaking this course.

‡ The semester 3 offering of this course is offered in even numbered years only.

Bachelor of Engineering (Honours) Bachelor of Science (BEHS) - BEng(Hons) BSc

QTAC code (Australian and New Zealand applicants): Toowoomba campus: 907361; External: 907365; Springfield campus: 927361

CRICOS code (International applicants): 079518F

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area please contact us directly .

	On-campus#	External
Start:	No new admissions	No new admissions
Campus:	Springfield, Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	5 years full-time, 8 years part-time or external	
Program articulation:	From: Associate Degree of Engineering; Bachelor of Engineering Science; Bachelor of Engineering (Honours)	

Notes:

See note on part-time study below within the Program Structure section.

Footnotes

None of the Bachelor of Science majors are available at the Springfield campus. However, Springfield students may be able to take a Science major externally. Accordingly, the Springfield offering is not suitable for International on-campus students.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

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 (Honours) may apply for chartered status as a Professional Engineer and, when granted, may use the post-nominal MIEAust CPEng.

The Bachelor of Engineering (Honours) 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.

Program aims

This program provides students with the opportunity to become qualified Engineers with a strong background in one branch of Science. The program offers students a high level of flexibility as they are able to select from a wide range of Engineering majors and combine it with one of the numerous Science majors.

Program objectives

Graduates of the Bachelor of Engineering (Honours) Bachelor of Science program will have met the separate objectives of the Bachelor of Engineering (Honours) and the programs.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 08. Graduates at this level will have advanced knowledge and skills for professional or highly skilled work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under Course Admission Information Set via the QTAC website.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Have achieved a minimum Australian Tertiary Admission Rank (ATAR) of **74.15**, or equivalent qualification.^

- Subject Pre-requisites: English (Units 3 & 4, C) and Mathematical Methods (Units 3 & 4, C) or equivalent.
- English Language Proficiency requirements for Category 2.

Applicants are advised to also note the following:

- Recommended Prior Study (Engineering): Physics (Units 3 & 4, C) or equivalent.
- Recommended Prior Study (Science): Applicants should refer to the for the recommended prior study for their selected Bachelor of Science major.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

^ These are determined by the University for specific programs each Semester. The 2023 ATAR and tertiary entrance ranks are based on agreed QTAC schedules which assess formal study at Year 12 or equivalent level, tertiary, preparatory, professional or vocational qualifications or work experience, as detailed in the QTAC Assessment of Qualifications Manual and QTAC Assessor Guidelines.

Adjustment factors may help you get into the program of your choice by increasing your entrance rank. The additional points don't apply to all applicants or all programs. Please read the information about UniSQ's Adjustment Factors carefully to find out what you may be eligible for.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The program involves five years of full-time study.

Students may apply for admission to study part-time or externally, however applicants should ensure they are able to complete this program within the maximum duration of ten years. To achieve this, students will need to complete a minimum of four units of study per year. To complete the program part-time within the standard duration of eight years, students will need to complete a minimum of five units of study per year.

Where students intend to complete the program using a combination of full-time and part-time study the maximum time for completion will be calculated on a pro-rata basis.

For more details of the two programs that comprise this award, applicants are asked to refer to the and Bachelor of Engineering (Honours) sections of this Handbook.

The Bachelor of Engineering (Honours) Bachelor of Science is a 40-unit program consisting of Academic courses and Practice courses.

Academic courses are one-unit courses and involve approximately 155 hours of student work per unit.

Practice courses are zero unit courses and each involves approximately 50 hours of student work.

The Bachelor of Engineering (Honours) program consists of 32 units of study. To satisfy the requirements of the chosen Bachelor of Science major, in the Bachelor of Engineering (Honours) Bachelor of Science program students will require an additional 10–12 units of study, depending on the chosen Science major. To reduce the total study load to 40 units, students must reduce the required number of Approved courses from the chosen Engineering major by 2–4, depending on the chosen Science major. The courses required for each Science major are listed below.

Required time limits

Students have a maximum of 10 years to complete this program.

Major studies

Engineering majors

An Engineering major study provides students with knowledge and skills in a particular engineering discipline. Students must select one of the following eight majors as their Engineering major.

Engineering major studies:
Agricultural Engineering
Civil Engineering
Computer Systems Engineering
Electrical and Electronic Engineering
Environmental Engineering
Instrumentation Control and Automation Engineering
Mechanical Engineering *
Power Engineering

Footnotes

* Students undertaking this Engineering major cannot complete the following Science major within 40 units: Computing.

Core courses

The courses in each of the Engineering majors are listed in the Bachelor of Engineering (Honours) section of this Handbook. Students enrolled in the Bachelor of Engineering (Honours) Bachelor of Science program study all of the Core courses listed in an Engineering major.

Course	Units
Academic Courses	
ENG1002 Introduction to Engineering and Built Environment Applications	1
ENG1004 Engineering Problem Solving Principles	1
ENG1100 Introduction to Engineering Design	1
ENG2002 Technology, Sustainability and Society	1
ENG3003 Engineering Management	1
ENG3104 Engineering Simulations and Computations	1
ENG4110 Engineering Research Methodology	1
ENG4111 Research Project Part 1	1
ENG4112 Research Project Part 2	1
Total	**9**
Practice Courses	
ENG1901 Engineering Practice 1	0
ENG3902 Professional Practice 1	0
ENG4903 Professional Practice 2	0
ENG4909 Work Experience - Professional	0

Three approved courses are to be deleted from the list of courses in each Engineering major.

Science majors

The Science major will enable students to increase their knowledge and skills in a particular field of science. Students must select one of the following eight-unit majors as their Science major.

Science major studies:
Plant Agricultural Science

Biology
Computing ^+
Environment and Sustainability
Food Science
Human Physiology
Mathematics+
Physical Sciences
Statistics +
Wine Science

Footnotes

^ Students undertaking this Science major cannot complete the following Engineering major within 40 units: Mechanical Engineering.

+ Students who select this major cannot undertake CSC1402 as an approved course.

Core courses

The eight courses comprising each of the Science majors are listed in the section of this Handbook.

Students enrolled in the Bachelor of Engineering (Honours) Bachelor of Science program study all of the Core courses listed in a Science major. Students must also complete the following Core courses for each major; these should be completed early in the program, as noted in the Recommended Enrolment Pattern for the relevant Science major. Students completing ENM1600 Engineering Mathematics and ENM2600 Advanced Engineering Mathematics should additionally refer to the Recommended Enrolment Pattern for their Engineering major.

Science Major	Core courses to be studied	Reduction in required number of Approved Courses in Engineering major
Biology	• ENM1600 Engineering Mathematics • ENM2600 Advanced Engineering Mathematics • CMS1100 Communicating in the Sciences • SCI1001 Succeeding in Science • STA1003 Fundamental Statistics	3
Computing	• ENM1600 Engineering Mathematics • ENM2600 Advanced Engineering Mathematics • CMS1000 Communication and Scholarship • CSC1401 Foundation Programming • STA1003 Fundamental Statistics • MAT1101 Discrete Mathematics for Computing	4

Environment and Sustainability	• ENM1600 Engineering Mathematics • ENM2600 Advanced Engineering Mathematics • CMS1100 Communicating in the Sciences • SCI1001 Succeeding in Science • STA1003 Fundamental Statistics	3
Food Science	• ENM1600 Engineering Mathematics • ENM2600 Advanced Engineering Mathematics • CMS1100 Communicating in the Sciences • SCI1001 Succeeding in Science • STA1003 Fundamental Statistics	3
Human Physiology	• ENM1600 Engineering Mathematics • ENM2600 Advanced Engineering Mathematics • CMS1100 Communicating in the Sciences • SCI1001 Succeeding in Science • STA1003 Fundamental Statistics	3
Mathematics	• CMS1100 Communicating in the Sciences • CSC1401 Foundation Programming • STA1003 Fundamental Statistics • SCI1001 Succeeding in Science • Students study MAT1102 Algebra and Calculus I and MAT2100 Algebra and Calculus II as part of this Science Major, therefore do not study the equivalent courses ENM1600 Engineering Mathematics nor ENM2600 Advanced Engineering Mathematics.	2

Physical Sciences	• CMS1100 Communicating in the Sciences • CSC1401 Foundation Programming • STA1003 Fundamental Statistics • SCI1001 Succeeding in Science • Students study MAT1102 Algebra and Calculus I and MAT2100 Algebra and Calculus II as part of this Science Major, therefore do not study the equivalent courses ENM1600 Engineering Mathematics nor ENM2600 Advanced Engineering Mathematics.	3
Plant Agricultural Science	• ENM1600 Engineering Mathematics • ENM2600 Advanced Engineering Mathematics • CMS1100 Communicating in the Sciences • SCI1001 Succeeding in Science • STA1003 Fundamental Statistics	3
Statistics	• CMS1100 Communicating in the Sciences • CSC1401 Foundation Programming • STA1003 Fundamental Statistics • SCI1001 Succeeding in Science • Students study MAT1102 Algebra and Calculus I and MAT2100 Algebra and Calculus II as part of this Science Major, therefore do not study the equivalent courses ENM1600 Engineering Mathematics nor ENM2600 Advanced Engineering Mathematics.	2

Wine Science	• ENM1600 Engineering Mathematics • ENM2600 Advanced Engineering Mathematics • CMS1100 Communicating in the Sciences • SCI1001 Succeeding in Science • STA1003 Fundamental Statistics	3

Where a course listed in a student's Science major is also listed as a core course for the Engineering program or in their Engineering major, then the student must select another course from the Science major or, with the approval of the Program Director, another course offered by the Faculty of Health, Engineering and Sciences. Students should consult the Bachelor of Science section of this Handbook for a list of Unsuitable approved courses for their chosen Science major.

Practical experience

To be eligible to graduate from the Bachelor of Engineering (Honours), students must obtain an aggregate of at least 60 days of suitable work experience during their program. This experience may be in an engineering office or laboratory where the student would be working principally with professional engineers and engineering associates. It may, however, be preferable for students to spend some time in field or factory activities to gain insight into industrial practice and to see what is involved in converting designs into finished products. Students are required to enrol in ENG4909 Work Experience - Professional in the latter part of their program and keep a record of appropriate experience as specified in the Course Specification. The work experience is to be endorsed by an appropriate person in the organisation providing the experience and submitted to the examiner. The student must meet all costs associated with the acquisition of work experience to satisfy this requirement. The record of work experience must be made available for perusal by the Faculty of Health, Engineering and Sciences upon request. The acceptability or otherwise of employment experience, and the period of that type of experience that may be credited towards the 60 days, will be determined by the Examiner of ENG4909 Work Experience - Professional.

Credit or exemptions for ENG4909 Work Experience - Professional will not normally be considered.

IT requirements

Access to an up-to-date computer is necessary. On-campus students can access appropriately equipped laboratories, but should consider acquisition of their own computer. External students should be able to access a computer with the following minimum standards as advised by the University. All students should have access to email and the Internet via a computer running the latest versions of Internet web browsers such as Internet Explorer or Firefox. The University has a wireless network for on-campus students' computers. In order to take advantage of this facility and further enhance their on-campus learning environment, students should consider purchasing a notebook/laptop computer with wireless connectivity. Specialist software is required for some courses.

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: R = Recommended; HR = Highly Recommended; M = Mandatory. To find out more about residential schools, visit the Residential School Schedule to view specific dates for your degree, or visit the Policy and Procedure Library.

Students are required to undertake practical and professional activities relevant to their program through enrolment in a series of Practice courses in the program. Practice courses are zero unit courses that may be undertaken in either on-campus or external mode and the final grades available are Pass (P)/Fail (F) only.

They are a compulsory part of the program and do not attract a student contribution charge for Australian residents or a tuition fee for international students. The recommended enrolment schedule for Practice courses is shown in the Recommended Enrolment Pattern for the program in this Handbook.

External students must attend a number of residential schools during their program to obtain experience in practical and professional activities appropriate to the program. The residential schools are included in Practice courses which are conducted in Semester 3 or during the recess periods. The dates for each residential school Practice course are shown in the Residential School schedule in this Handbook and external students should ensure they are able to attend the residential school prior to enrolling in a Practice course. Personal protective equipment is compulsory in many engineering, construction and spatial science laboratories, students should confirm the requirements before attending residential schools for Practice courses.

Students who enrol in on-campus mode for Practice courses normally undertake a series of weekly activities and/or attend a compulsory residential school.

ENG3902 Professional Practice 1 and ENG4110 Engineering Research Methodology are to be studied in the student's penultimate year. Upon completion of ENG3902 Professional Practice 1 and ENG4110 Engineering Research Methodology, students must study ENG4111 Research Project Part 1, ENG4112 Research Project Part 2 and ENG4903 Professional Practice 2

Postgraduate programs

Graduate Certificate of Business (GCBU) - GradCertBus

QTAC code (Australian and New Zealand applicants): Toowoomba campus: GCBU01; Online: GCBU03; Springfield campus: GCBU04

CRICOS code (International applicants): 110845F

	On-campus	Online
Start:	Block 2 (March) Block 4 (July) Trimester 1 (January) Trimester 2 (May) Trimester 3 (September)	Block 2 (March) Block 4 (July) Trimester 1 (January) Trimester 2 (May) Trimester 3 (September)
Campus:	Springfield, Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	1 semester full-time, up to 2 years part-time	
Program articulation:	To: Master of Business	

Notes:

In 2023 the program follows the Trimester Calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Trimester calendar.

Where a specialisation is offered on-campus, it may not be offered in that mode at all campuses. The Business Foundations specialisation is available on-campus at Toowoomba and Springfield. The Digital Marketing, Leadership, and People and Culture specialisations are only available on-campus at Toowoomba. The Finance, Information Management Systems, Managing Cyber Risk, and Organisational Project Management specialisations are only available on-campus at Springfield.

Depending on specialisation undertaken, this program may not be able to be undertaken in full-time mode.

There are limited courses available in Trimester 1.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Professional accreditation

UniSQ's Graduate Certificate of Business is pending endorsement with the Australian Institute of Project Management (AIPM).

Students who complete the People and Culture specialisation successfully meet the criteria for accreditation with the Australian HR Institute AHRI

Program aims

The aim of the Graduate Certificate of Business is to enable students to undertake postgraduate study across a range of disciplines to meet their specific work-place needs or to study a discipline specialisation to either

provide advanced work-place knowledge and skills or to lay a platform for further study in the Master of Business or Master of Information Systems.

The selection of the courses or discipline specialisation chosen will be influenced by the demands of the work environment and the interests of the student. The entry requirements of articulating programs should be considered when choosing courses.

Students who do not have a cognate undergraduate degree but have completed the Graduate Certificate of Business are not eligible to enter the Master of Business until they satisfy the required minimum of two years' full-time relevant professional work experience in business.

Program objectives

On successful completion of the Graduate Certificate of Business graduates should be able to:

- design solutions to dynamic issues by applying established theories in an area of expertise
- interpret informational inputs to ensure that the interests of others (including organisational, cultural/societal, and environmental) are considered
- evaluate available digital technologies and automation relevant in the domain of specialist expertise
- communicate knowledge to audiences to build professional credibility
- cultivate a professional identity and career trajectory by exhibiting the human capabilities and knowledge demanded by modern organisations.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 08. Graduates at this level will have advanced knowledge and skills for professional or highly skilled work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an approved Bachelor degree in any area, or equivalent.
  OR
  A minimum of three years' professional work experience.
- English Language Proficiency requirements for Category 3.
- If students do not meet the English language requirements, they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program

For candidates who have a Bachelor degree (AQF level 7) or equivalent in a non-business related discipline from a recognised institution, UniSQ's Graduate Certificate of Business provides an articulation pathway into the Graduate Diploma of Business.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The Graduate Certificate of Business is comprised of four units of postgraduate courses as follows:

- Business Foundations (this specialisation is available on-campus at Toowoomba and Springfield).
- Digital Marketing (this specialisation is available on-campus at Toowoomba).
- Finance (this specialisation is available on-campus at Springfield).
- General
- Information Management Systems (this specialisation is available on-campus at Springfield).
- Leadership (this specialisation is available on-campus at Toowoomba).
- Managing Cyber Risk (this specialisation is available on-campus at Springfield).
- Organisational Project Management (this specialisation is available on-campus at Springfield).
- People and Culture (this specialisation is available on-campus at Toowoomba).

Required time limits

Students have a maximum of 2 years to complete this program.

Business Foundations specialisation

The Business Foundations specialisation is recommended for students who do not have a cognate undergraduate degree and want to articulate into the Master of Business.

This specialisation is available on-campus at Toowoomba and Springfield.

Course	Trimester of offer Online	Trimester of offer Toowoomba campus	Trimester of offer Springfield campus	Block of offer Online	Block of offer Toowoomba Campus	Block of offer Springfield campus	Enrolment Requirements
MGT5101 Adaptive Leadership				Block 4	Block 4	Block 4	
MKT5001 Service Experience				Block 2	Block 2	Block 2,6	Anti-requisites: MKT5000
MGT5103 Talent Strategy	Tri 3	Tri 3	Tri 3				

ECO5000 Managerial Economics	Tri 2	Tri 2	Tri 2				Anti-requisites: ECO5000 Economics for Managers

Digital Marketing specialisation

This specialisation is only available on-campus at Toowoomba.

Course	Block of offer Online	Block of offer Toowoomba Campus	Enrolment Requirements
MKT6001 Consumer Behaviour*	Block 2,3		Anti-requisites: MKT8001
MKT6100 Digital Marketing Analytics*	Block 4	Block 4	
MKT6101 Marketing Tools and Technologies*	Block 5	Block 5	
MKT6012 Marketing Strategy*	Block 6		Anti-requisites:MKT8012

Footnotes

* First offer of these courses is in 2024

Finance specialisation

This specialisation is only available on-campus at Springfield.

Course	Trimester of offer Online	Trimester of offer Springfield campus	Enrolment Requirements
FIN6101 FinTech Innovation	Tri 3	Tri 3	
FIN6201 Financial Decision Making in Organisations*	Tri 1,2		Anti-requisites: FIN8201
FIN6100 Financial Risk*	Tri 2	Tri 2	Anti-requisites: FIN8202
FIN6102 Investor Psychology and Portfolio Management	Tri 3		Anti-requisites: FIN8204 & FIN8203

Footnotes

* First offer of these courses is in 2024

Information Management Systems specialisation

This specialisation is only available on-campus at Springfield.

Course:	Trimester of offer Online	Trimester of offer Springfield campus	Enrolment Requirements
CIS5102 Navigating the Digital Revolution	Tri 1,2	Tri 2	Anti-requisites: CIS5100

CIS6100 Leadership in Digital Services	Tri 3		Anti-requisites: CIS5308
CIS6001 Technology Entrepreneurship	Tri 2,3	Tri 3	Anti-requisites: CIS8001
CIS6008 Business Intelligence	Tri 2		Anti-requisites: CIS8008

Leadership specialisation

This specialisation is only available on-campus at Toowoomba.

Course:	Trimester of offer Online	Trimester of offer Toowoomba campus	Trimester of offer Springfield campus	Enrolment Requirements
MGT6133 Leading Organisational Change**	Tri 1,3	Tri 3	Tri 3	Anti-requisites: MGT8033
MGT6138 Leading Leaders (Leading Ethically)*	Tri 2	Tri 2		Anti-requisites: MGT8038
MGT6137 Leading Successful Teams*	Tri 2			Anti-requisites: MGT8037
MGT6147 The Leader's Mind	Tri 3			Anti-requisites: MGT8047

Footnotes

** The first offer of this course is in Trimester 3 2023

* First offer of these courses is in 2024

Managing Cyber Risk specialisation

This specialisation is only available on-campus at Springfield.

Course:	Trimester of offer Online	Trimester of offer Springfield campus	Enrolment Requirements
CIS6707 Cyber Incident Management and Response*	Tri 1,2	Tri 2	Anti-requisites: CIS8707
CIS6709 Cyber Governance and Leadership	Tri 3		Anti-requisites: CIS8709
CIS6712 Information Assurance and Risk Management*	Tri 2		Anti-requisites: CIS8712
CIS6714 Cyber Resilience	Tri 3	Tri 3	

Footnotes

* First offer of these courses is in 2024

Organisational Project Management specialisation

This specialisation is only available on-campus at Springfield.

Course:	Trimester of offer Online	Trimester of offer Springfield campus	Enrolment Requirements
MGT6002 Organisational Project Management Futures*	Tri 1,3	Tri 3	Anti-requisites: MGT8022
MGT6004 Delivering Benefits to Stakeholders*	Tri 3		Anti-requisites: MGT8074
MGT6005 Delivering Organisational Project Management*	Tri 2		Anti-requisites: MGT8075
Select 1 course from the Master of Business core **OR** receive credit for 1 x industry certificate for either: AXELOS (Practitioner level); AIPM (CPPM Level or above); PMI (PMP level or above)			

Footnotes

* First offer of these courses is in 2024

People and Culture specialisation

This specialisation is only available on-campus at Toowoomba.

Course:	Trimester of offer Online	Trimester of offer Toowoomba campus	Enrolment Requirements
MGT6134 People and Culture*	Tri 1,3	Tri 2	Anti-requisites: MGT8034
MGT6149 Building an Engaged Workforce*	Tri 2	Tri 2	Anti-requisites: MGT8049
MGT6143 Contemporary HR Issues for Managers*	Tri 3		Anti-requisites: MGT8043
Select 1 course from the 'Human Resource Leadership' advanced specialisation in the Mas ter of Business.			

Footnotes

* First offer of these courses is in 2024

General specialisation

To discuss which courses to study within the General specialisation, please contact UniSQ. All course pre-requisites must be met, and all courses chosen are subject to the approval of the Program Coordinator.

Students who do NOT have a cognate undergraduate degree and who are intending to gain entry to the MBIZ Master of Businesson completion of the Graduate Certificate of Business should choose 4 core courses the 'Business Foundations' specialisation

Students who wish to articulate into theMBIZ Master of Business orMISP Master of Information Systems must meet the program admission requirements before applications for credit will be considered.

Students wanting to study a course/s from other programs across the University must seek approval from the Faculty of Business, Education, Law and Arts.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Other program requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Articulation

Upon successful completion of the Graduate Certificate of Business with a minimum GPA of 4.0, a student may articulate into the Master of Business, or Master of Information Systems provided they meet other program entry requirements.

Students who complete the Graduate Certificate of Business and maintain satisfactory academic standing (GPA 3.5) but do not achieve a GPA of 4.0 can articulate into the Graduate Diploma of Business.

Exit points

There are no exit points from the Graduate Certificate of Business.

Credit

Credit may be granted on the basis of equivalent courses undertaken at postgraduate level. In order for credit to be granted, the claim must meet the following specific requirements:

- the course passed was taken at least at Masters or equivalent level
- the course was passed within 5 years prior to the application (courses up to 10 years old may be considered if evidence is provided that the applicant has been employed in that field)
- the course passed is equivalent in objectives, content and weightings to a course prescribed in the Graduate Certificate of Business, or alternatively, the course is suitable as an elective
- where the student has taken out an award from a recognised tertiary institution and is claiming credit on the basis of courses completed to meet the requirements of that program, the maximum credit on the basis of such courses shall be no greater than 2 courses for the Graduate Certificate of Business
- credit approved in this program will not automatically apply to other programs offered by the University of Southern Queensland.

For credit to be granted in the Organisational Project Management advanced specialisation, on the basis of professional accreditation, the claim must meet one of the following requirements:

- For accreditation by the Australian Institute of Project Management (AIPM) Certified Practicing Portfolio Executive (CPPE) credit may be approved for two unspecified electives
- For accreditation by Project Management Institute (PMI) The Project Management Professional (PMP)® Certification, credit may be approved for one unspecified elective
- For accreditation by PRINCE2 Practitioner, credit may be approved for one unspecified elective

Note: Where credit is granted, maximum and minimum duration will be adjusted in the same proportion as the credit, for example, where the maximum of 50 per cent credit is granted, maximum and minimum duration will be reduced by one-half.

Recommended enrolment pattern

Students who wish to accelerate their progression through the program should consider enrolling in up to 4 courses in each Trimester. Please note only select courses are available in block mode. Please check the course specification for the year of study.

Course	Year of program and trimester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Tri	Year	Tri	Year	Tri	
Specialisation/Elective (1) course 1	1	1			1	1, 2	
Specialisation/Elective (1) course 2	1	1, 2			1	1, 2	
Specialisation/Elective (1) course 3	1	2, 3			1	2, 3	
Specialisation/Elective (1) course 4	1	2, 3			1	2,3	

Graduate Certificate of Science (GCSC) - GradCertSci

QTAC code (Australian and New Zealand applicants): Toowoomba campus: GCSC01; External: GCSC02

CRICOS code (International applicants): 069701A

	On-campus*+	External#*
Start:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July) Semester 3 (November)
Campus:	Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	1 semester full-time, 1 year part-time	
Program articulation:	To: Graduate Diploma of Science	

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Footnotes

* Please refer to the Program Structure for further information on mode of offer for each specialisation.
\+ The Computing specialisation is available to international on-campus students at UniSQ Toowoomba.
\# Only the Applied Data Science, Computing or General (depending on the courses chosen) specialisations have a Semester 3 intake.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Program aims

The Graduate Certificate of Science provides students with the opportunity to further their knowledge in discipline areas critical to their professional responsibilities and interests.

Program objectives

On completion of the program graduates should be able to:

- Understand a body of specialised knowledge in a discipline of science;
- Apply established theories to a body of specialised knowledge or practice in a relevant science discipline;
- Critically analyse and reflect on complex information, problems, concepts and theories applicable to a relevant science discipline;
- Interpret and transmit specialised knowledge, skills and ideas, both individually and collaboratively, to a range of audiences;
- Display autonomy, responsibility, adaptability and ethical practise in decision-making and engage in lifelong learning through critical reflection in a range of professional and cultural contexts.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 08. Graduates at this level will have advanced knowledge and skills for professional or highly skilled work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university three year Bachelor degree in any area, or equivalent.
  Or
  equivalent professional work experience, as determined through the Credit and Exemption Procedure.
- English Language Proficiency requirements for Category 3.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

All specialisations within the program consist of four units of study taken from the Recommended Enrolment Pattern section. The Program Director, via usq.support@usq.edu.au may also grant substitution of one course

from outside these disciplines. At least two courses must be Level 6 and/or 8 (all specialisations). The student must select courses according to the pre- and co-requisite requirements contained in individual course specifications. Some courses may include a mandatory or highly recommended residential school.

Specialisation	**Offering**		
	On-campus	**Online**	**External**
Agricultural Science (part-time only)[@]	Toowoomba	Online	or external with highly recommended residential schools depending on chosen approved courses
Applied Climate Science (part-time only)		Online only	
Applied Data Science (part-time only)[^]	Toowoomba	Online	
Astronomy (part-time only)		Online only	
Biology (part-time only)[@]	Toowoomba	Online	or external with highly recommended residential schools depending on chosen approved courses
Chemistry (part-time only) [@]	Toowoomba		external (some courses have highly recommended residential schools)
Computing (full-time or part-time)[@]	Toowoomba	Online	or external (some courses, depending on topics, have workshops)
Environment and Sustainability (part-time only)	Toowoomba	Online	
Mathematics and Statistics (part-time only)	Toowoomba	Online	
Mathematics for High School Teaching (part-time only)[#]	Toowoomba	Online	
Mathematics for Primary/Middle School Teaching (part-time only) [#]		Online only	
Physics (part-time only)		Online only	
Science for Primary/Middle School Teaching (full-time or part-time) [#@]	Toowoomba	Online	or external with highly recommended residential schools depending on chosen approved courses
Wine Science (S1 part-time only, S2 full-time or part-time) [@]	Toowoomba	Online	or external with mandatory or highly recommended residential schools depending on chosen approved courses).

General	Toowoomba	Online	or external with highly recommended residential schools depending on chosen approved courses

Footnotes

@ Some approved courses for selection have mandatory or highly recommended residential schools and students enrolled externally must be able to attend the residential schools at the specified UniSQ campus.

^ The Semester 2 intake for the Applied Data Science specialisation will be subject to the approval of the Program Director and may only be available less than part-time (<2 courses in some semesters).

The teaching specialisations alone do not meet eligibility for teacher registration and therefore should only be taken by students who already have completed an initial teacher education program.

Those teachers studying who are relying on government scholarships or are seeking accreditation in a particular state, are advised to check with their funding agency or Education Authority that they are enrolled in an appropriate approved combination of courses. For further advice on these and other possible course combinations please contact the Program Director via usq.support@usq.edu.au.

Required time limits

Students have a maximum of 3 years to complete this program.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: R = Recommended; HR = Highly Recommended; M = Mandatory. To find out more about residential schools, visit the Residential School Schedule to view specific dates for your degree, or visit the Policy and Procedure Library.

Agricultural Science (approved course)
- BIO3318 Plant Microbe Interactions

Biology (approved course)
- BIO2107 Cell and Molecular Biology 1
- BIO2202 Plant Physiology
- BIO3207 Cell and Molecular Biology 2

Chemistry (core courses)
- CHE1110 Chemistry 1
- CHE2120 Chemistry 2

Science for Primary/Middle School Teaching (approved courses)
- CHE1110 Chemistry 1
- CHE2120 Chemistry 2

Wine Science (approved courses)
- CHE1110 Chemistry 1
- WIN2200 Viticultural and Winemaking Practice
- BIO2202 Plant Physiology

Articulation

A student successfully completing all courses in the Graduate Certificate of Science program will receive full credit towards the Graduate Diploma of Science in the same specialisation. Students intending to continue with the Graduate Diploma must apply for separate admission and may EITHER Graduate with a Graduate Certificate and receive full credit as exemptions into the Graduate Diploma, OR choose not to graduate with the Graduate Certificate, in order to transfer their grades, maintain their GPA and articulate into the Graduate Diploma and ultimately qualify from this higher award only. Students who wish to transfer their grades and

maintain their GPA into the Graduate Diploma, must advise the Faculty in writing (usq.support@usq.edu.au) of their intention to articulate and this must occur prior to completion of the Graduate Certificate of Science.

Credit

Exemptions/credit will be assessed based on the UniSQ Credit and Exemption Procedure.

Students who have successfully completed STA2300 are not permitted to undertake STA6200 Statistics for Quantitative Researchers. Instead they should contact the Program Director to choose an alternative Level 6 and/or 8 course.

Applied Data Science specialisation: Where a student's enrolment pattern does not allow them to complete STA6200 Statistics for Quantitative Researchers in S1, they may replace it with STA2300 in S2 or S3, as long as the student completes the required number of Level 6 and/or 8 courses for their program.

Enrolment

Enrolment patterns will need to be determined for individual students. On acceptance into the program, students must submit an enrolment pattern for approval to the Program Director via usq.support@usq.edu.au.
Pre-requisite courses should be taken as a guide to the assumed knowledge required for a course. It is the student's responsibility to ensure that they have the assumed knowledge before enrolling in a particular course.

Agricultural Science specialisation recommended enrolment pattern - part-time

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
AGR8001 Food Security in the 21st Century		1				1		
Approved course (Select from the approved course list below)								
AGR8003 Critical Issues in Agriculture		2				2		
Approved course (Select from the approved course list below)								
Approved courses: Choose two from the following:								
AGR2303 Agronomy		1				1		
AGR3303 Agricultural Materials and Post-Harvest Technologies		1				1		
AGR4305 Agricultural Soil Mechanics		1				1		
CLI8001 Climate Risk						1		
SCI3302 Work-Integrated-Learning#		3		1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
AGR8002 Emerging Technologies in Agriculture		2				2		
BIO3318 Plant Microbe Interactions^		2		2			HR	Pre-requisite: BIO1101 or S tudents must be enrolled in one of the following Program s: BATM or BENV or GCSC or GDSI or MSCN
BIO8201 Biology Foundations						2		
ENV4106 Irrigation Science		2				2		Pre-requisite: AGR3304 or Students must be enrolled in one of the following Program s: GCEN or GCSC or GDSI or METC or MEPR or GCNS or GDNS or MENS or MSCN.
REN3302 Sustainable Resource Use		2		2				

Footnotes

Industry Placement may be available subject to approval of the Program Director and availability of relevant placement.

^ This offering has a highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Applied Climate Science specialisation recommended enrolment pattern - part-time Semester 1 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CLI8204 Global Environmental Systems						1	
CLI8001 Climate Risk						1	
CLI8205 Climate and Sustainability						2	
CLI3302 Adaptation to Climate Change						2	

Applied Data Science specialisation recommended enrolment pattern - part-time S1 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
STA6200 Statistics for Quantitative Researchers		1				1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
CSC5020 Foundations of Programming£		1,2,3				1,2,3	
CSC6001 Introduction to Data Science and Visualisation		2				2	
CSC6002 Big Data Management£		2				2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent program and statistical knowledge and skills or students are enrolled in MCYS

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Astronomy specialisation recommended enrolment pattern - part-time

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
SCI6103 Research Fundamentals and Ethics						1,2	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
PHY1101 Astronomy 1*		1				1	
SCI6102 Research Skills						1,2	
PHY1107 Astronomy 2*		2				2	

Footnotes

* Astronomical observations for each course are made remotely via internet access to UniSQ'S Mt Kent Observatory. Voluntary field nights will also be made available.

Biology specialisation recommended enrolment pattern - part-time

At least two of the four courses completed must be at Level 6 and/or 8.

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Approved course (Select from the approved course list below):		1		1		1		
Approved course (Select from the approved course list below):		1		1		1		
BIO8201 Biology Foundations						2		
Approved course (Select from the approved course list below):		2		2		2		
Approved courses: Choose three from the following (at least one must be Level 6 and/or 8):								
AGR8001 Food Security in the 21st Century						1		
BIO2107 Cell and Molecular Biology 1†		1		1			HR	Pre-requisite: CHE2120
BIO3207 Cell and Molecular Biology 2†		2		2			HR	Pre-requisite: BIO2107
BIO3318 Plant Microbe Interactions†		2		2			HR	Pre-requisite: BIO1101 or S tudents must be enrolled in one of the following Program s: BATM or BENV or GCSC or GDSI or MSCN
REN8101 Environment, Society and Sustainability						1		Enrolment is not permitted in REN8101 if REN1201 has been previously completed.
REN3301 Biodiversity and Conservation		2				2		
BIO2219 Genetics		2				2		Pre-requisite: BIO1100 or BIO1101 or BIO1204 or AGR1101
BIO2202 Plant Physiology†				2			HR	Pre-requisite: BIO1101
REN8202 Conservation for Sustainable Futures						2		Enrolment is not permitted in REN8202 if REN2200 has been previously completed.

Footnotes

† This offering has a highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Chemistry specialisation recommended enrolment pattern - part-time

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
SCI6103 Research Fundamentals and Ethics						1		Pre-requisite: Students must be enrolled in one of the fol lowing programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
CHE1110 Chemistry 1†		1		1			HR	
SCI6102 Research Skills						1,2		
CHE2120 Chemistry 2†		2		2			HR	Pre-requisite: CHE1110

Footnotes

† External offering has a highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Computing specialisation recommended enrolment pattern - full-time or part-time

Take four approved courses, with at least two being at Level 6 and/or 8.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Approved courses (at least two must be at Level 6 and/or 8):							
CSC8450 Relational Database Systems		1				1	Pre-requisite: CSC5020
CSC8503 Principles of Programming Languages		1				1	
CSC8510 Internetworking		2				2	Co-requisite: CSC5050 or Students must be enrolled in the following Program: MCYS
CSC2402 Object-Oriented Programming in C++		1				1	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN
CSC2408 Software Development Tools		1,2				1,2	Pre-requisite: CSC1401
CSC8380 Designing Networks		2				2	Pre-requisite: CSC8540
CSC8540 Routing and Switching		1				1	Pre-requisite: CSC8510
CSC5020 Foundations of Programming£		1,2,3				1,2,3	
CSC2401 Algorithms and Data Structures		2				2	Pre-requisite: CSC2402 or Students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT
CSC2404 Operating Systems		2				2	Pre-requisite: CSC1401 or CSC2408 or have experience using Linux systems or students must be enrolled in one of the following Programs: GDTI or GCSC or GCEN or METC or MCOT or MCTE or MCOP or MPIT
CSC2406 Web Technology 1		2				2	Pre-requisite: CSC1401 or Students must be enrolled in one of the following Programs: UCCC or GDTI or GCEN or METC or MCOT or MCTE or MCOP or MPIT or MCTN or B SED
CSC1410 Software Engineering Foundations		2				2	Pre-requisite: CSC1401

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Environment and Sustainability specialisation recommended enrolment pattern - part-time

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
REN8101 Environment, Society and Sustainability						1	Enrolment is not permitted in REN8101 if REN1201 has been previously completed.
SCI6103 Research Fundamentals and Ethics						1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Approved courses: Take any two of the following::							
REN8202 Conservation for Sustainable Futures						2	Enrolment is not permitted in REN8202 if REN2200 has been previously completed.
REN3301 Biodiversity and Conservation		2				2	
REN3302 Sustainable Resource Use		2				2	
CLI8204 Global Environmental Systems						1	
CLI8205 Climate and Sustainability						2	

Mathematics and Statistics specialisation recommended enrolment pattern - part-time

Students may seek approval from the Discipline Coordinator to enrol in courses not listed in this table.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
STA6200 Statistics for Quantitative Researchers		1				1,2	Enrolment is not permitted in STA6200 if S TA2300 or STA1003 or STA1004 has been previously completed
MAT1102 Algebra and Calculus I		1				1	
MAT8190 Mathematics/Statistics Complementary Studies B**		2				2	
CSC2410 Computational Thinking with Python		2				2	

Footnotes

** MAT8190 is a topics based course. Students should select their topic from the course specifications and email the examiner prior to enrolment to receive enrolment approval.

Mathematics for High School Teaching specialisation recommended enrolment pattern - part-time

This specialisation alone does not meet eligibility for teacher registration and therefore should only be taken by students who already have completed an initial teacher education program.

Students may seek approval from the Discipline Coordinator to enrol in courses not listed in this table.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
MAT1102 Algebra and Calculus I#		1				1	
MAC8901 Issues in Teaching Mathematics						2	
STA6200 Statistics for Quantitative Researchers		1				1,2	Enrolment is not permitted in STA6200 if S TA2300 or STA1003 or STA1004 has been previously completed
Approved courses: Choose one of the following (other courses are available from the Mathematics and Statistics specialisation):							
MAT2100 Algebra and Calculus II#		2				2	Pre-requisite: MAT1102 or MAT1502 or ENM1600 or Students must be enrolled in the following program: MSCN or MEPR or BSED
MAT2200 Operations Research 1		2				2	Pre-requisite: MAT1102 or ENM1600 or e quivalent or approval from the examiner.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
							Enrolment is not permitted in MAT2200 if MAT1200 has been previously completed.
MAT1101 Discrete Mathematics for Computing		1				1	

Footnotes

MAT1102 and MAT2100 give a higher level of Algebra & Calculus that are essential for teaching Mathematics B & C (or equivalent) in schools. Students without an appropriate background for MAT1102 should contact the Program Director via usq.support@usq.edu.au to discuss options. Students can take ENM1600 and ENM2600 as alternatives to these two courses with the approval of the Program Director.

Mathematics for Primary/Middle School Teaching specialisation recommended enrolment pattern - part-time

This specialisation alone does not meet eligibility for teacher registration and therefore should only be taken by students who already have completed an initial teacher education program.

Students may seek approval from the Discipline Coordinator to enrol in courses not listed in this table.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Approved Course (choose from the list below):						1,2	
Approved Course (choose from the list below):						1	
MAC8901 Issues in Teaching Mathematics						2	
STA8190 Advanced Statistics B**						2	
Approved courses: Choose two of the following:							
MAT1100 Foundation Mathematics		2				2	Enrolment is not permitted in MAT1100 if ENM1500 or MAT2100 or MAT1102 or ENM1600 or ENM2600 has been previously completed
MAT1000 Mathematics Fundamentals		1				1	
EDU8326 Learning Difficulties: Mathematics						1	

Footnotes

** STA8190 is a topics based course. Students should select their topic from the course specifications and email the examiner prior to enrolment to receive enrolment approval.

Physics specialisation recommended enrolment pattern - part-time

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
PHY1104 Physics 1		1				1	Co-requisite: (MAT1102 or ENM2600) or S tudents must be enrolled in one of the follow ing Programs: MSCN or GDSI or GCSC
SCI6103 Research Fundamentals and Ethics						1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
PHY1911 Physics 2		2				2	Co-requisite: (MAT2100 or ENM1600) or S tudents must be enrolled in one of the follow ing Programs: MSCN or GDSI or GCSC
SCI6102 Research Skills						2	

Science for Primary/Middle School Teaching specialisation recommended enrolment pattern

This specialisation alone does not meet eligibility for teacher registration and therefore should only be taken by students who already have completed an initial teacher education program.

Choose four approved courses, at least two of which must be at Level 6 and/or 8.

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Approved courses: Choose four courses, at least two of which must be at Level 6 and/or 8:								
CHE1110 Chemistry 1†		1		1			HR	
CLI1110 Weather and Climate		1				1		
PHY1101 Astronomy 1 *		1				1		
PHY1104 Physics 1 +		1				1		Co-requisite: (MAT1102 or ENM2600) or Students must be enrolled in one of the fol lowing Programs: MSCN or GDSI or GCSC
REN8101 Environment, Society and Sustainability						1		Enrolment is not permitted in REN8101 if REN1201 has been previously completed.
SCI6103 Research Fundamentals and Ethics						1		Pre-requisite: Students must be enrolled in one of the fol lowing programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
REN3301 Biodiversity and Conservation		2				2		
REN3302 Sustainable Resource Use		2				2		
CHE2120 Chemistry 2†		2		2			HR	Pre-requisite: CHE1110
PHY1911 Physics 2		2				2		Co-requisite: (MAT2100 or ENM1600) or Students must be enrolled in one of the fol lowing Programs: MSCN or GDSI or GCSC
PHY1107 Astronomy 2 *		2				2		
REN8202 Conservation for Sustainable Futures						2		Enrolment is not permitted in REN8202 if REN2200 has been previously completed.
BIO8201 Biology Foundations						2		

Footnotes

† External offering has a highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

* Astronomical observations for each course are made remotely via Internet access to UniSQ's Mt Kent Observatory. Voluntary field nights will also be made available.

\+ This course uses in-home practical kits. There is no residential school requirement.

Wine Science specialisation recommended enrolment pattern - part-time

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
SCI6103 Research Fundamentals and Ethics						1		Pre-requisite: Students must be enrolled in one of the fol lowing programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
Approved course: (choose from the list below):								
BIO8201 Biology Foundations						2		
Approved course: (choose from the list below):								
Approved courses: Choose two from the following:								
SCI6102 Research Skills						1,2		
WIN1101 Grape and Wine Production						1		
WIN2220 Wine Production						2		Pre-requisite: WIN1101
CHE1110 Chemistry 1 †		1		1			HR	
WIN2200 Viticultural and Winemaking Practice*				1			M	Co-requisite: WIN1101
WIN2215 Wine Biochemistry and Microbiology						2		Pre-requisite: WIN1101
SCI3302 Work-Integrated-Learning		3		1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
BIO2202 Plant Physiology†				2			HR	Pre-requisite: BIO1101

Footnotes

† This offering has a highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

* This offering requires attendance at a mandatory residential school (a mandatory residential school is compulsory and has an associated pass/fail assessment linked to the residential school attendance).

General Specialisation

This specialisation enables students to choose four courses from within any of the Graduate Certificate of Science specialisations, with at least 2 courses being at Level 6 and/or 8. This specialisation is designed primarily to enable a general exit point from the GDSI Graduate Diploma of Science or the MSCN Master of Science.

Graduate Diploma of Business (GDBZ) - GradDipBus

CRICOS code (International applicants): 110844G

	On-campus***	Online
Start:	Block 2 (March) Block 4 (July) Trimester 1 (January) Trimester 2 (May) Trimester 3 (September)	Block 2 (March) Block 4 (July) Trimester 1 (January) Trimester 2 (May) Trimester 3 (September)
Campus:	Springfield, Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	1 year full-time, up to 4 years part-time	
Program articulation:	From: Graduate Certificate of Business To: Master of Business	

Notes:

In 2023 the program follows the Trimester Calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Trimester calendar.

Footnotes

* Where a specialisation is offered on-campus, it may not be offered in that mode at all campuses. The Business Foundations specialisation is available on-campus at Toowoomba and Springfield. The Digital Marketing, Leadership, and People and Culture specialisations are only available on-campus at Toowoomba. The Finance, Information Management Systems, and Managing Cyber Risk specialisations are only available on-campus at Springfield. Depending on the specialisation undertaken, this program may not be able to be undertaken in full-time mode. There are limited courses available in Trimester 1.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Professional accreditation

UniSQ's Graduate Diploma of Business is pending endorsement with the Australian Institute of Project Management (AIPM).

Students who complete the People and Culture specialisation successfully meet the criteria for accreditation with the Australian HR Institute AHRI.

Program aims

The aim of the Graduate Diploma of Business is to enable students to acquire a body of specialised knowledge and skills across a range of business disciplines and contexts to meet their specific professional workplace needs or as a pathway for further learning in the Master of Business.

The selection of the courses or discipline specialisation chosen will be influenced by the demands of the work environment and the interests of the student. The entry requirements of articulating programs should be considered when choosing courses.

Program objectives

The objectives of the Graduate Diploma of Business are to produce graduates who are able to:

- design solutions to dynamic issues by applying a broad range of established theories and advanced specialist knowledge in collaborative teams.
- interpret informational inputs from a variety of sources and stakeholders to ensure that the interests of others (including organisational, cultural/ societal, and environmental) and professional responsibilities are considered and addressed.
- evaluate available digital technologies and automation relevant in the domain of specialist expertise to drive current and future business performance.
- communicate specialist knowledge to audiences to build professional credibility and influence
- cultivate a professional identity and career trajectory by exhibiting the human capabilities and knowledge demanded by modern organisations.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 08. Graduates at this level will have advanced knowledge and skills for professional or highly skilled work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an approved Bachelor degree in the area of business, or equivalent.
  OR
- Equivalent minimum of three years professional work experience (at Skill level 1-3).
- English Language Proficiency requirements for Category 3.

For candidates who have a Bachelor degree (AQF level 7) or equivalent in a non-business related discipline from a recognised institution, UniSQ's Graduate Certificate of Business provides an articulation pathway into the Graduate Diploma of Business.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The Graduate Diploma of Business is comprised of eight units of postgraduate courses as follows:

- 2 x core courses (MGT5100 Harnessing Human Capabilities for the Future of Work *, MGT6606 The Ready Business Professional ^.
- 2 x elective courses from the program **AND**.
- 1 x 4 unit specialisation from theGCBU Graduate Certificate of Business (except Organisational Project Management) **OR**.
  any 4 - unit specialisation from the Master of Business **OR**
  any 4 units from an advanced specialisation from the Master of Business. Students selecting this option will graduate without a named specialisation on their testamur.

* This course should be the first undertaken in the program.
^ This course is a project/capstone course and should be the last course undertaken.

Required time limits

Students have a maximum of 4 years to complete the Graduate Diploma of Business.

Business Foundations specialisation

The Business Foundations specialisation is recommended for students who do not have a cognate undergraduate degree and want to articulate into the Master of Business.

Course	Trimester of Offer Online	Trimester of Offer Toowoomba campus	Trimester of Offer Springfield campus	Block of Offer Springfield	Block of Offer Toowoomba	Block of Offer Online	Enrolment Requirements
MGT5101 Adaptive Leadership			1	4	4	4	
MKT5001 Service Experience				2	2	2, 6	Anti-requisite: MKT5000
MGT5103 Talent Strategy	3	3	3				
ECO5000 Managerial Economics	2	2	2				Anti-requisite: ECO5000 Economics for Managers

Digital Marketing specialisation

Course	Block of Offer Toowoomba	Block of Offer Online	Enrolment Requirements
MKT6001 Consumer Behaviour*		2, 3	Anti-requisite: MKT8001

MKT6100 Digital Marketing Analytics*	4	4	
MKT6101 Marketing Tool s and Technologies*	5	5	
MKT6012 Marketing Strategy*		6	Anti-requisite: MKT8012

Footnotes

* First offer of these courses is in 2024.

Finance specialisation

Course	Trimester of offer Online	Trimester of offer Toowoomba campus	Trimester of offer Springfield campus	Enrolment Requirements
FIN6101 FinTech Innovation	3		3	
FIN6201 Financial Decision Making in Organisations*	1, 2			Anti-requisite: FIN8201
FIN6100 Financial Risk*	2		2	Anti-requisite: FIN8202
FIN6102 Investor Psychology and Portfolio Management	3			Anti-requisite: FIN8204, FIN8203

Footnotes

* First offer of these courses is in 2024.

Information Management Systems

Course	Trimester of offer Online	Trimester of offer Toowoomba campus	Trimester of offer Springfield campus	Enrolment Requirements
CIS5102 Navigating the Digital Revolution*	1, 2		2	Anti-requisite: CIS5100
CIS6100 Leadership in Digital Services	3			Anti-requisite: CIS5308
CIS6001 Technology Entrepreneurship*	2, 3		3	Anti-requisite: CIS8001
CIS6008 Business Intelligence*	2			Anti-requisite: CIS8008

Footnotes

* First offer of these courses is in 2024.

Leadership specialisation

Course	Trimester of offer Online	Trimester of offer Toowoomba campus	Trimester of offer Springfield campus	Enrolment Requirements
MGT6133 Leading Organisational Change**	1, 3	3	3	Anti-requisite: MGT8033
MGT6138 Leading Leaders (Leading Ethically)*	2	2		Anti-requisite: MGT8038
MGT6137 Leading Successful Teams*	2			Anti-requisite: MGT8037
MGT6147 The Leader's Mind	3			Anti-requisite: MGT8047

Footnotes

** The first offer of this course is in Trimester 3 2023.
* First offer of these courses is in 2024.

Managing Cyber Risk specialisation

Course	Trimester of offer Online	Trimester of offer Springfield campus	Enrolment Requirements
CIS6707 Cyber Incident Management and Response*	1, 2	2	Anti-requisite: CIS8707
CIS6709 Cyber Governance and Leadership	3		Anti-requisite: CIS8709
CIS6712 Information Assurance and Risk Management*	2		Anti-requisite: CIS8712
CIS6714 Cyber Resilience	3	3	

Footnotes

* First offer of these courses is in 2024.

People and Culture specialisation

Course	Trimester of offer Distance/Online	Trimester of offer Toowoomba campus	Enrolment Requirements
MGT6134 People and Culture	1, 2	2	Anti-requisite: MGT8034
MGT6149 Building an Engaged Workforce*	2	2	Anti-requisite: MGT8049
MGT6143 Contemporary HR Issues for Managers*	3		Anti-requisite: MGT8043

Select 1 course from the 'Human Resource Leadership' advanced specialisation in the Master of Business			

Footnotes

* First offer of these courses is in 2024.

General specialisation

To discuss which courses to study within the General specialisation, please contact UniSQ. All course pre-requisites must be met, and all courses chosen are subject to the approval of the Program Coordinator. Students wanting to study a course/s from other programs across the University must seek approval from the Faculty of Business, Education, Law and Arts. Students who wish to articulate into the Master of Businessor Master of Information Systemsmust meet the program admission requirements before applications for credit will be considered.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Other program requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Articulation

Upon successful completion of the Graduate Diploma of Business a student may articulate into the Master of Business provided they meet other program entry requirements.

Students who wish to gain maximum credit for courses completed in the Graduate Diploma of Business upon entry to the Master of Business must choose a named specialisation from the Master of Business or advanced specialisation from the Master of Business.

Students who wish to articulate into the Master of Business must meet the program admission requirements before applications for credit will be considered.

Exit points

After successful completion of 4 units of study students may exit with the Graduate Certificate of Business(GCBU).

Credit

Credit may be granted on the basis of equivalent courses undertaken at postgraduate level. In order for credit to be granted, the claim must meet the following specific requirements:

- the course passed was taken at least at Masters or equivalent level
- the course was passed within 5 years prior to the application (courses up to 10 years old may be considered if evidence is provided that the applicant has been employed in that field)
- the course passed is equivalent in objectives, content and weightings to a course prescribed in the Graduate Diploma of Business program, or alternatively, the course is suitable as an elective
- where the student has taken out an award from a recognised tertiary institution and is claiming credit on the basis of courses completed to meet the requirements of that program, the maximum credit on the basis of such courses shall be no greater than 4 courses for the Graduate Diploma of Business
- credit approved in this program will not automatically apply to other programs offered by the UniSQ.

Note: Where credit is granted, maximum and minimum duration will be adjusted in the same proportion as the credit, for example, where the maximum of 50 per cent credit is granted, maximum and minimum duration will be reduced by one-half.

Graduate Diploma of Information Technology (GDTI) - GradDipTI

CRICOS code (International applicants): 066137D

	On-campus	Online
Start:	Semester 2 (July)	Semester 2 (July)
Campus:	Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	1 year full-time, 2 years part-time	
Program articulation:	To: Master of Information Technology	

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Program aims

The Graduate Diploma of Information Technology aims to provide students from any discipline with an opportunity to expand their knowledge and upgrade their professional qualifications. Students will be able to develop their skills and knowledge within the field of Software Development , Network Engineering or Computing Technology. Students are guided to become effective professionals who are able to develop innovative technological solutions.

Program objectives

At the completion of this program, students should be able to:

- Incorporate concepts of professionalism, cultural awareness, and ethical practice within the IT work environment.
- Identify, interpret, analyse, problem solve information technology needs within the area of software or computer networks.
- Work independently or in teams to design and develop innovative technological solutions.
- Effectively communicate, both written and verbally, employing appropriate interpersonal skills.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 08. Graduates at this level will have advanced knowledge and skills for professional or highly skilled work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university three year Bachelor degree , or equivalent.
  or
  A minimum of five years' professional work experience equivalent to a qualification at AQF Level 7..
- English Language Proficiency requirements for Category 2.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The program consists of eight (8) units comprised of:

- 2 core courses
- 4 specialisation courses
- 2 approved courses (Approved courses include any level 6000 or above CSC or CIS coded course, subject to pre-requisite satisfaction.)

Required time limits

Students have a maximum of 3 years to complete this program.

Core courses

Courses	Online	Toowoomba	Springfield
CSC5020 Foundations of Programming[£]	1,2	1,2	

CIS5310 IS/ICT Project Management[£]	1,2,3	1	1

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Software Development (4-unit)

Course	ONL	TWB	SPR
CSC5090 Foundations of IT Systems Administration	1,2	1,2	
CSC8710 Software Design and Modelling	2	2	
CSC8720 Programming Algorithms	1	1	
CSC8740 Client-side Web Technology	1	1	1

Network Engineering (4-unit)

Course	ONL	TWB	SPR
CSC5050 Networking Foundations	1,2	1,2	
CSC8510 Internetworking	1,2	1,2	
CSC8520 Securing Networks	2	2	2
CSC8540 Routing and Switching	1	1	

Computing Technology (4-unit)

Course	ONL	TWB	SPR
CSC5050 Networking Foundations	1,2	1,2	
CSC5090 Foundations of IT Systems Administration	1,2	1,2	
CSC8520 Securing Networks	2	2	2
CSC8740 Client-side Web Technology	1	1	1

IT requirements

For information technology requirements please refer to the minimum computing standards.

Exit points

Students enrolled in the Graduate Diploma of Information Technology program who wish to exit without completing the program may be awarded the GCSC Graduate Certificate of Science if they have completed a total of four units (excluding exemptions and credit transfers).

Credit

Exemptions/credit will be assessed based on the UniSQ Credit and Exemption Procedure.

Software Development - recommended enrolment pattern - Semester 2 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 2							
CSC5020 Foundations of Programming£	1	2			1	2	
CIS5310 IS/ICT Project Management£					1	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CSC5090 Foundations of IT Systems Administration	1	2			1	2	
CSC8710 Software Design and Modelling	1	2			1	2	
Year 2, Semester 1							
CSC8720 Programming Algorithms	2	1			2	1	Pre-requisite: CSC5020
CSC8740 Client-side Web Technology	2	1			2	1	Pre-requisite: CSC5020 and CSC5090 or Students must be enrolled in the following Program: MCYS
Approved Course*	2	1			2	1	
Approved Course*	2	1			2	1	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* Approved courses include any level 6000 or above CSC or CIS coded course, subject to pre-requisite satisfaction.

Network Engineering - recommended enrolment pattern - Semester 2 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 2							
CSC5020 Foundations of Programming£	1	2			1	2	
CSC5050 Networking Foundations	1	2			1	2	
CSC8510 Internetworking	1	2			1	2	Co-requisite: CSC5050 or Students must be enrolled in the following Program: MCYS
CSC8520 Securing Networks	1	2			1	2	Co-requisite: CSC5050 or CSC8100
Year 2, Semester 1							
CIS5310 IS/ICT Project Management£	2	1			2	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CSC8540 Routing and Switching	2	1			2	1	Pre-requisite: CSC8510
Approved Course*	2	1			2	1	
Approved Course*	2	1			2	1	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* Approved courses include any level 6000 or above CSC or CIS coded course, subject to pre-requisite satisfaction.

Computing Technology - recommended enrolment pattern - Semester 2 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 2							
CSC5020 Foundations of Programming£	1	2			1	2	
CSC5050 Networking Foundations	1	2			1	2	
CSC5090 Foundations of IT Systems Administration	1	2			1	2	
CSC8520 Securing Networks	1	2			1	2	Co-requisite: CSC5050 or CSC8100
Year 2, Semester 1							
CIS5310 IS/ICT Project Management£	2	1			2	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CSC8740 Client-side Web Technology	2	1			2	1	Pre-requisite: CSC5020 and CSC5090 or Students must be enrolled in the following Program: MCYS
Approved Course*	2	1			2	1	
Approved Course*	2	1			2	1	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* Approved courses include any level 6000 or above CSC or CIS coded course, subject to pre-requisite satisfaction.

Graduate Diploma of Science (GDSI) - GradDipSci

CRICOS code (International applicants): 031448M

	On-campus*+^#@	External * @
Start:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
Campus:	Ipswich, Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Residential school:		Ipswich (Mandatory)
Standard duration:	1 year full-time, 2 years part-time	
Program articulation:	To: Master of Science; Master of Science (Research)	

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Footnotes

* Please refer to the Program Structure for further information on mode of offer for each specialisation.

\+ The Applied Data Science specialisation is only available to international on-campus students at UniSQ Toowoomba and, for students commencing in Semester 1, only to students who have completed (STA6200 Statistics for Quantitative Researchers or STA2300 Data Analysis or STA1003 Fundamental Statistics) and (CSC1401 Foundation Programming or CSC5020 Foundations of Programming) or equivalent in their previous study.

^ The Mathematics and Statistics specialisation is available to international on-campus students at UniSQ Toowoomba — Semester 1 only.

\# The Sport and Exercise specialisation is available to International on-campus students at UniSQ Ipswich. International on-campus students enrolled at the Ipswich campus must consult with the Program Director in selecting their elective courses to ensure they meet ESOS requirements.

@ Sport and Exercise specialisation: courses that include a practical skill competency component and residential school will be conducted at the Ipswich campus

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Program aims

The program aims to produce graduates that are equipped with essential scientific and/or mathematical knowledge and an appreciation of the latest literature and technologies.

Agricultural Science specialisation

This specialisation provides graduates with a knowledge of contemporary issues associated with agricultural production and sustainability. The program aims to produce graduates with the capacity to engage with a range of agriculture related disciplines.

Applied Climate Science specialisation

The global climate service industry is estimated to have a significant and growing economic value. In Australia, the need for ‘climate smart’ professionals working within their chosen industry is growing with hundreds of

job opportunities in industry and the public sector organisation. This specialisation is designed to provide graduates with the knowledge and decision-making skills to work as 'climate smart' professionals in many sectors of economic activity including agriculture, food, water, energy, health, and natural resource management industries.

Applied Data Science specialisation
This specialisation is designed to provide an opportunity for graduates from all disciplines to gain skills and knowledge in handling data which are commonly known as Big Data, as well as producing and interpreting data analytics. The aim of this program is to provide students with a career path in the Data Science area or an opportunity for advancement in their career.

Environment and Sustainability specialisation
This specialisation provides graduates with knowledge of selected basic concepts and skills associated with environmental and climate science and the broad area of sustainability. The program aims to produce graduates with knowledge and skills for the integration of social, environmental and economic research within an interdisciplinary planning and policy framework and to provide capacity for the sustainable management of natural resources, businesses and communities.

Mathematics and Statistics specialisation
This specialisation aims to provide graduates with skills in key areas of mathematics or statistics that relate to the needs of their profession or industry, including teaching.

Physics and Astronomy specialisation
This specialisation is designed to provide an opportunity to gain knowledge and skills in physics and astronomy and develop scientific research skills. The program provides professional development in science for those in educational or science communication careers.

Sport and Exercise specialisation
This specialisation aims to provide graduates with the opportunity to develop and extend their knowledge and skills relevant to health, fitness and sports performance across the lifespan to an advanced level. The specialisation is designed to meet personal achievement goals or provide for career opportunities within the health, sports and fitness industry such as sports coaches, personal trainers, sports development officers or a range of other roles.

General specialisation
This specialisation enables students who have completed at least 8 courses with at least 4 courses at Level 6 and/or 8 from courses within other Graduate Diploma of Science specialisations to exit from the MSCN Master of Science.

Program objectives

On completion of the program graduates should be able to:

- Synthesise an understanding of a complex body of advanced knowledge in a discipline of science.
- Apply established theories to a body of advanced knowledge or practice in a relevant science discipline.
- Critically analyse, evaluate and consolidate on complex advanced information, problems, concepts and theories applicable to a relevant science discipline.
- Interpret and transmit advanced knowledge, skills and ideas, both individually and collaboratively, to a range of audiences.
- Display autonomy, responsibility, adaptability and ethical practise in decision-making and engage in lifelong learning through critical reflection in a range of professional and cultural contexts.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 08. Graduates at this level will have advanced knowledge and skills for professional or highly skilled work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university three year Bachelor degree in any area, or equivalent
  or
  equivalent professional work experience, as determined through the Credit and Exemption Procedure.
- English Language Proficiency requirements for Category 3.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

All specialisations within the program consist of eight units of study taken from the specialisation tables. At least four units must be at Level 6 and/or 8.

Specialisation	**Offering**		
	On-campus	**Online**	**External**
Agricultural Science ^	Toowoomba	Online	Depending on chosen approved courses
Applied Climate Science		Online only	

Applied Data Science (part-time, full-time with approval)#	Toowoomba	Online	
Environment and Sustainability		Online only	
Mathematics and Statistics (Semester 1 full-time or part-time; Semester 2 part-time only) @	Toowoomba	Online	depending on chosen approved courses
Physics and Astronomy		Online only	
Sport and Exercise	Ipswich		some courses have mandatory residential schools which will be held at the Ipswich campus.
General	Toowoomba	Online	depending on chosen approved courses

Footnotes

^ Some approved courses for selection have mandatory or highly recommended residential schools and students enrolled externally must be able to attend the residential schools at the specified UniSQ campus.

Available in Semester 1 full-time only to students who have completed (CSC1401 Foundation Programming or CSC5020 Foundations of Programming) and (STA2300 Data Analysis or STA1003 Fundamental Statistics or STA6200 Statistics for Quantitative Researchers) in their previous study. The Semester 2 full-time intake will be subject to the approval of the Program Director.

@ The Semester 1 full-time enrolment assumes students have current skills at the level of Queensland Senior Secondary Schools Studies Mathematical Methods equivalent. Students without this knowledge might have to study part-time. The Semester 2 full-time intake will be subject to the approval of the Program Director.

Required time limits

Students have a maximum of 3 years to complete this program.

Agricultural Science specialisation

This specialisation consists of 4 core courses, all available in online mode, and 4 approved courses.

Semester 1 ^	**Semester 2** ^
Mandatory core courses:	
AGR8001 Food Security in the 21st Century	AGR8002 Emerging Technologies in Agriculture
CLI8001 Climate Risk	AGR8003 Critical Issues in Agriculture
And four of the following Approved Courses:	
AGR2303 Agronomy	BIO3318 Plant Microbe Interactions *
AGR3303 Agricultural Materials and Post-Harvest Technologies	BIO8201 Biology Foundations
AGR4305 Agricultural Soil Mechanics	ENV4106 Irrigation Science
SCI3302 Work-Integrated-Learning#	REN3302 Sustainable Resource Use

Footnotes

^ Students may vary their enrolment on the basis of prior studies or professional requirements with the approval of the Program Director via usq.support@usq.edu.au.

* This offering has a highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment)

SCI3302 Work-Integrated-Learning may be available subject to approval of the Program Director via usq.support@usq.edu.au and availability of relevant placement.

Applied Climate Science specialisation

This specialisation consists of the following courses, which are all available by online mode only. Students may vary their enrolment on the basis of prior studies or professional requirements with the approval of the Program Director via usq.support@usq.edu.au. This specialisation is not suitable for international on-campus students.

Semester 1	Semester 2
CLI8001 Climate Risk	CLI3302 Adaptation to Climate Change
CLI8204 Global Environmental Systems	CLI8205 Climate and Sustainability
CLI8002 Climate, Human and Environmental Health and Disaster Management*	CLI8003 Climate, Food, Water and Energy Security*

Footnotes

* Two unit course

Applied Data Science specialisation

This specialisation consists of eight courses which are all available on-campus and online.

Semester 1	Semester 2	Either Semester
CSC8450 Relational Database Systems	CSC6001 Introduction to Data Science and Visualisation	CSC5020 Foundations of Programming£*
STA6100 Multivariate Analysis for High-Dimensional Data	CSC6002 Big Data Management£	CIS8008 Business Intelligence
CSC6004 Data Mining		STA6200 Statistics for Quantitative Researchers*

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* Semester 1 full-time entry is only available if students have completed (STA6200 or STA2300 or STA1003) and (CSC1401 or CSC5020) in their previous study, in which case they will study two appropriate electives instead.

Environment and Sustainability specialisation

This specialisation consists of the following eight core courses which are all available in online mode. Students may vary their enrolment on the basis of prior studies or professional requirements with the approval of the Program Director via usq.support@usq.edu.au. This specialisation is not suitable for international on-campus students.

Semester 1	Semester 2
REN8101 Environment, Society and Sustainability	REN8202 Conservation for Sustainable Futures
CLI8204 Global Environmental Systems	CLI8205 Climate and Sustainability
CLI3301 Climate and Environment Risk Assessment	REN8203 Sustainability Science
SCI6103 Research Fundamentals and Ethics	And one of: • REN3301 Biodiversity and Conservation • REN3302 Sustainable Resource Use

Mathematics and Statistics specialisation

This specialisation consists of eight units of study. The courses studied will depend on the student's background in mathematics.

Students without MAT1102 (S1) and STA6200 (S1, S2) may not be able to complete in one year.

Students must complete eight courses from the following tables. At least four courses must be at Level 6 and/or 8. Students may seek approval from the Discipline Coordinator to enrol in courses not listed in these tables.

Semester 1 Courses

Level 1	Level 2	Level 3	Level 6/8
MAT1101 Discrete Mathematics for Computing	MAT2409 High Performance Numerical Computing†	MAT3105 Harmony of Partial Differential Equations	MAT8180 Mathematics/Statistics Complementary Studies A
MAT1102 Algebra and Calculus I	ENM2600 Advanced Engineering Mathematics§	MAT3201 Operations Research 2†	STA8180 Advanced Statistics A
	STA2301 Distribution Theory	STA3300 Experimental Design	STA6100 Multivariate Analysis for High-Dimensional Data

Footnotes

† Unavailable on-campus at Toowoomba in S1 2023
§ Unavailable online in Semester 3 2023

Semester 2 Courses

Level 1	Level 2	Level 3	Level 8
MAT1100 Foundation Mathematics	MAT2100 Algebra and Calculus II	MAT3103 Mathematical Modelling and Dynamical Systems	MAC8901 Issues in Teaching Mathematics
	CSC2410 Computational Thinking with Python	MAT3104 Mathematical Modelling in Financial Economics	MAT8190 Mathematics/Statistics Complementary Studies B
	STA2302 Statistical Inference	STA3301 Statistical Models~	STA8190 Advanced Statistics B
	MAT2200 Operations Research 1		

Footnotes

~ Unavailable Semester 2, 2023 Toowoomba On-campus

Courses Offered in Either Semester 1 Or Semester 2

Level 1	Level 2	Level 3	Level 6
ENM1600 Engineering Mathematics		SCI3302 Work-Integrated-Learning	STA6200 Statistics for Quantitative Researchers
		CSC5020 Foundations of Programming£	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Physics and Astronomy specialisation

This specialisation consists of eight units of study (six (6) core courses and one (1) approved two-unit course). Students may vary their enrolment on the basis of prior studies or professional requirements with the approval

of the Program Director via usq.support@usq.edu.au. This specialisation is not suitable for international on-campus students.

Semester 1	Semester 2
PHY1101 Astronomy 1	PHY1107 Astronomy 2
PHY1104 Physics 1	PHY1911 Physics 2
SCI6103 Research Fundamentals and Ethics	SCI6102 Research Skills
Plus one two-unit course selected from the following:	
PHY8001 Observational Astronomy	PHY8003 Galactic Astronomy and Cosmology
PHY8002 Planetary Science	PHY8004 Stellar Astronomy

Sport and Exercise specialisation

This specialisation consists of four compulsory courses and four approved courses.

Compulsory Courses:
SES8001 Advanced Biomechanics
SES8005 Advanced Exercise Physiology
SES8006 Advanced Exercise Programming and Rehabilitation
SES8007 Advanced Exercise Assessment and Delivery
Approved Courses:
Three of the following coursework courses from the Sport and Exercise specialisation in the Master of Science (MSCN) — one course must be Level 8:
PSY3250 Sport and Exercise Psychology
SES1103 Nutrition and Exercise
SES2203 Physical Activity and Health
SES3206 Strength Training and Conditioning
SES8003 Advanced Motor Control and Learning
SES8008 Advanced Anatomy and Physiology
One of the following elective courses or as approved by the Program Director:
CSC5020 Foundations of Programming[£]
EDU8400 Mentoring and Coaching
EDU8606 Lifelong Career Development
HSW8220 Promoting Community Access and Inclusion[##]
MBA8000 Applied Business Research and Ethics
MGT8033 Leading Organisational Change
MGT8038 Leadership Development
PCM5000 Practical Editorial Skills
PUB5001 Introduction to Editing and Publishing

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

HSW8220 is not available ONL in S1 2023

General specialisation

This specialisation enables students who have completed at least 8 courses with at least 4 courses at Level 6 and/or 8 from courses within other Graduate Diploma of Science specialisations to exit from the Master of Science. Students can use completed courses that meet the program objectives of the Graduate Diploma of Science to exit with that qualification.

IT requirements

For information technology requirements, please refer to the minimum computing standards.

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: R = Recommended; HR = Highly Recommended; M = Mandatory. To find out more about residential schools, visit the Residential School Schedule to view specific dates for your degree, or visit the Policy and Procedure Library.

Sport and Exercise specialisation: For all modes there will be on-campus and practical attendance requirements for some courses. In order to successfully complete the program students must be able to fulfil any designated practical attendance requirements of a one week residential school in each year.

Agricultural Science (approved course)

- BIO3318 Plant Microbe Interactions

Sport and Exercise Specialisation

Core Courses:

- SES8001 Advanced Biomechanics
- SES8005 Advanced Exercise Physiology
- SES8006 Advanced Exercise Programming and Rehabilitation
- SES8007 Advanced Exercise Assessment and Delivery

Approved Courses:

- SES1103 Nutrition and Exercise
- SES3206 Strength Training and Conditioning
- SES8001 Advanced Biomechanics
- SES8003 Advanced Motor Control and Learning
- SES8008 Advanced Anatomy and Physiology

Articulation

Graduate Diploma of Science students may articulate to the Master of Science coursework program with further completion of eight courses, as required by that program.

A student successfully completing all courses in the Graduate Diploma of Science program will receive full credit towards the Master of Science in the same specialisation. Students intending to continue with the Master of Science must apply for separate admission and may EITHER graduate with a Graduate Diploma of Science and receive full credit as exemptions into the Master of Science, OR choose not to graduate with the Graduate Diploma, in order to transfer their grades, maintain their GPA and articulate into the Masters of Science and ultimately qualify from this higher award only. Students who wish to transfer their grades and maintain their GPA into the Master of Science, must advise the Faculty in writing (usq.support@usq.edu.au) of their intention to articulate and this must occur prior to completion of the Graduate Diploma of Science.

Graduate Diploma of Science students may articulate to the Master of Science (Research) program if they meet other requirements for entry into that program. Students must advise the Faculty in writing (usq.support@usq.edu.au) of their intention to articulate to the Master of Science (Research) and should seek

the advice of the Program Director with respect to transfer or application for course exemptions prior to graduation from the Graduate Diploma of Science.

Exit points

Students may exit with the Graduate Certificate of Science if the courses completed satisfy the requirements of a Graduate Certificate of Science specialisation.

Sport and Exercise specialisation - students may exit with the Graduate Certificate of Sport and Exercise if the courses completed satisfy the requirements of the Graduate Certificate of Sport and Exercise.

Students should consult the Program Director via usq.support@usq.edu.au should they wish to exit to ensure they satisfy requirements for the Graduate Certificate.

Credit

Exemptions/credit will be assessed based on the UniSQ Credit and Exemption Procedure.

Sport and Exercise specialisation:

Exemption of four units may be granted if student has completed the Graduate Certificate of Sport and Exercise offered by UniSQ.

Enrolment

Enrolment patterns will need to be determined for individual students. On acceptance into the program, students must submit an enrolment pattern for approval to the Program Director via usq.support@usq.edu.au. Pre-requisite courses should be taken as a guide to the assumed knowledge required for a course. It is the student's responsibility to ensure that they have the assumed knowledge before enrolling in a particular course.

Agricultural Science specialisation recommended enrolment pattern - full-time (2 Semesters, S1 entry)

Note: This specialisation is not available for International on-campus students as core courses are available in online mode only.

The recommended enrolment pattern for this specialisation is a recommended example. Students may vary or select their own pattern, keeping in mind any course pre-requisites, timetable constraints and the requirements to graduate outlined above in the Program Structure. If unsure about a suitable enrolment pattern, students should contact the Program Director via usq.support@usq.edu.au

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1, Semester 1								
CLI8001 Climate Risk					1	1		
AGR8001 Food Security in the 21st Century	1	1			1	1		
Choose two approved courses:[#]								
AGR2303 Agronomy	1	1			1	1		
AGR3303 Agricultural Materials and Post-Harvest Technologies	1	1			1	1		
AGR4305 Agricultural Soil Mechanics	1	1			1	1		
SCI3302 Work-Integrated-Learning [^]	1	1,	1	1				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
Year 1, Semester 2								
AGR8003 Critical Issues in Agriculture	1	2			2	2		

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
AGR8002 Emerging Technologies in Agriculture	1	2			2	2		
Choose two approved courses:#								
BIO3318 Plant Microbe Interactions *	1	2	1	2			HR	Pre-requisite: BIO1101 or S tudents must be enrolled in one of the following Program s: BATM or BENV or GCSC or GDSI or MSCN
ENV4106 Irrigation Science	1	2			1	2		Pre-requisite: AGR3304 or Students must be enrolled in one of the following Program s: GCEN or GCSC or GDSI or METC or MEPR or GCNS or GDNS or MENS or MSCN.
BIO8201 Biology Foundations					1	2		
SCI3302 Work-Integrated-Learning^	1	2,3	1	2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
REN3302 Sustainable Resource Use	1	2			1	2		

Footnotes

Students should ensure that their choice of courses satisfy the program requirements of at least four Level 6 and/or 8 courses.

^ SCI3302 Industry Placement may be available subject to approval of the Program Director via usq.support@usq.edu.au and availability of relevant placement.

* This offering has a highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Agricultural Science specialisation recommended enrolment pattern - part-time (4 Semesters, S1 or S2 entry)

Note: This specialisation is not available for International on-campus students as core courses are available in online mode only.

The recommended enrolment pattern for this specialisation is a recommended example. Students may vary or select their own pattern, keeping in mind any course pre-requisites, timetable constraints and the requirements to graduate outlined above in the Program Structure. If unsure about a suitable enrolment pattern, students should contact the Program Director via usq.support@usq.edu.au

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
Approved Course 1 #	1	1			1	1		
AGR8001 Food Security in the 21st Century	1	1			1	1		
AGR8002 Emerging Technologies in Agriculture	1	2			1	2		
Approved Course 2#	1	2			1	2		
Year 2								
CLI8001 Climate Risk					2	1		
Approved Course 3#	2	1			2	1		
AGR8003 Critical Issues in Agriculture	2	2			2	2		
Approved Course 4#	2	2			2	2		

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Approved courses include:#								
AGR2303 Agronomy		1				1		
AGR3303 Agricultural Materials and Post-Harvest Technologies		1				1		
AGR4305 Agricultural Soil Mechanics		1				1		
SCI3302 Work-Integrated-Learning		1,2,3		1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
BIO3318 Plant Microbe Interactions *		2		2			HR	Pre-requisite: BIO1101 or S tudents must be enrolled in one of the following Program s: BATM or BENV or GCSC or GDSI or MSCN
ENV4106 Irrigation Science		2				2		Pre-requisite: AGR3304 or Students must be enrolled in one of the following Program s: GCEN or GCSC or GDSI or METC or MEPR or GCNS or GDNS or MENS or MSCN.
BIO8201 Biology Foundations						2		
REN3302 Sustainable Resource Use		2				2		

Footnotes

Selection of potential approved courses should be discussed with the Program Director. Students should ensure that their choice of courses satisfy the program requirements of at least four Level 6 and/or 8 courses.

* This offering has a highly recommended residential school (linked to an assessment item and non-attendance will mean a student misses an element for assessment preparation or an element of assessment).

Applied Climate Science specialisation recommended enrolment pattern - full-time S1 or S2 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CLI8001 Climate Risk					1	1	
CLI8204 Global Environmental Systems					1	1	
CLI8002 Climate, Human and Environmental Health and Disaster Management *					1	1	
CLI3302 Adaptation to Climate Change					1	2	
CLI8205 Climate and Sustainability					1	2	
CLI8003 Climate, Food, Water and Energy Security *					1	2	

Footnotes

* Two unit course.

Applied Climate Science specialisation recommended enrolment pattern - part-time S1 or S2 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CLI8001 Climate Risk					1	1	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CLI8204 Global Environmental Systems					1	1	
CLI8003 Climate, Food, Water and Energy Security *					1	2	
CLI8002 Climate, Human and Environmental Health and Disaster Management *					2	1	
CLI8205 Climate and Sustainability					2	2	
CLI3302 Adaptation to Climate Change					2	2	

Footnotes

* Two unit course

Applied Data Science specialisation recommended enrolment pattern - full-time S1 entry

This enrolment pattern is only available to students who have completed (CSC1401 Foundation Programming or CSC5020 Foundations of Programming) **and** (STA6200 Statistics for Quantitative Researchers or STA2300 Data Analysis or STA1003 Fundamental Statistics) **in previous study**.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS8008 Business Intelligence	1	1			1	1	
CSC8450 Relational Database Systems	1	1			1	1	Pre-requisite: CSC5020
STA6100 Multivariate Analysis for High-Dimensional Data	1	1			1	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolment is not permitted in STA6100 if STA3200 has been previously completed
CSC6004 Data Mining	1	1			1	1	Pre-requisite or Co-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020)
CSC6001 Introduction to Data Science and Visualisation	1	2			1	2	
CSC6002 Big Data Management£	1	2			1	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent program and statistical knowledge and skills or students are enrolled in MCYS
Approved course — One STA course at level 2 or above					1	2	
Approved course — One CSC course at level 2 or above	1	2			1	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Applied Data Science specialisation recommended enrolment pattern - part-time S1 entry

This enrolment pattern is only available to students who have completed (CSC1401 Foundation Programming or CSC5020 Foundations of Programming) **and** (STA6200 Statistics for Quantitative Researchers or STA2300 Data Analysis or STA1003 Fundamental Statistics) **in previous study.**

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS8008 Business Intelligence	1	1			1	1,2	
CSC8450 Relational Database Systems	1	1			1	1	Pre-requisite: CSC5020

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CSC6001 Introduction to Data Science and Visualisation	1	2			1	2	
CSC6002 Big Data Management£	1	2			1	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent pro gram and statistical knowledge and skills or students are enrolled in MCYS
STA6100 Multivariate Analysis for High-Dimensional Data	2	1			2	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolmen t is not permitted in STA6100 if STA3200 has been previously completed
CSC6004 Data Mining	2	1			2	1	Pre-requisite or Co-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020)
Approved Course — One STA course at level 2 or above	2	2			2	2	
Approved Course — One CSC course at level 2 or above	2	2			2	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Applied Data Science specialisation recommended enrolment pattern - part-time S1 entry (without (CSC1401 or CSC5020) and (STA6200 or STA2300 or STA1003) in previous study)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 1							
CSC8450 Relational Database Systems	1	1			1	1	Pre-requisite: CSC5020
STA6200 Statistics for Quantitative Researchers	1	1			1	1,2	Enrolment is not permitted in STA6200 if S TA2300 or STA1003 or STA1004 has been previously completed
Year 1, Semester 2							
CSC5020 Foundations of Programming£	1	1,2,3			1	1,2,3	
CSC6001 Introduction to Data Science and Visualisation	1	2			1	2	
Year 2, Semester 1							
CSC6004 Data Mining	2	1			2	1	Pre-requisite or Co-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020)
STA6100 Multivariate Analysis for High-Dimensional Data	2	1			2	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolmen t is not permitted in STA6100 if STA3200 has been previously completed
Year 2, Semester 2							
CIS8008 Business Intelligence					2	1,2	
CSC6002 Big Data Management£	2	2			2	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent pro gram and statistical knowledge and skills or students are enrolled in MCYS

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Applied Data Science specialisation recommended enrolment pattern - full-time S2 entry (requires Program Director approval)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 2							
CSC5020 Foundations of Programming£#	1	1,2,3			1	1,2,3	
CSC6001 Introduction to Data Science and Visualisation	1	2			1	2	
CSC6002 Big Data Management£	1	2			1	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent pro gram and statistical knowledge and skills or students are enrolled in MCYS
STA6200 Statistics for Quantitative Researchers*					1	1,2	Enrolment is not permitted in STA6200 if S TA2300 or STA1003 or STA1004 has been previously completed
Year 1, Semester 1							
CIS8008 Business Intelligence					1	1,2	
CSC6004 Data Mining	1	1			1	1	Pre-requisite or Co-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020)
CSC8450 Relational Database Systems	1	1			1	1	Pre-requisite: CSC5020
STA6100 Multivariate Analysis for High-Dimensional Data	1	1			1	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolmen t is not permitted in STA6100 if STA3200 has been previously completed

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

If CSC1401 Foundation Programming has been completed previously, contact the Program Director to choose an alternative course to CSC5020.

* If STA2300 Data Analysis has been completed previously, contact the Program Director to choose an alternative Level 6 and/or 8 course to STA6200.

Applied Data Science specialisation recommended enrolment pattern - part-time S2 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 2							
CSC5020 Foundations of Programming£#	1	1,2,3			1	1,2,3	
CSC6001 Introduction to Data Science and Visualisation	1	2			1	2	
Year 1, Semester 1							
STA6200 Statistics for Quantitative Researchers*	1	1			1	1,2	Enrolment is not permitted in STA6200 if S TA2300 or STA1003 or STA1004 has been previously completed
CSC8450 Relational Database Systems	1	1			1	1	Pre-requisite: CSC5020

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 2, Semester 2							
CSC6002 Big Data Management£	2	2			2	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent pro gram and statistical knowledge and skills or students are enrolled in MCYS
CIS8008 Business Intelligence					2	1,2	
Year 2, Semester 1							
CSC6004 Data Mining	2	1			2	1	Pre-requisite or Co-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020)
STA6100 Multivariate Analysis for High-Dimensional Data	2	1			2	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolmen t is not permitted in STA6100 if STA3200 has been previously completed

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

If CSC1401 Foundation Programming has been completed previously, contact the Program Director to choose an alternative course to CSC5020.

* If STA2300 Data Analysis has been completed previously, contact the Program Director to choose an alternative Level 6 and/or 8 course to STA6200.

Environment and Sustainability specialisation recommended enrolment pattern - full-time S1 or S2 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 1							
REN8101 Environment, Society and Sustainability					1	1	Enrolment is not permitted in REN8101 if REN1201 has been previously completed.
CLI8204 Global Environmental Systems					1	1	
CLI3301 Climate and Environment Risk Assessment					1	1	
SCI6103 Research Fundamentals and Ethics					1	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
Year 1, Semester 2 (or Semester 2 entry)							
CLI8205 Climate and Sustainability					1	2	
REN8202 Conservation for Sustainable Futures					1	2	Enrolment is not permitted in REN8202 if REN2200 has been previously completed.
REN8203 Sustainability Science					1	2	Pre-requisite: REN8101 or REN8202 or REN3302 or REN3301 or CLI8204 or CLI8205 or ECO8011
And one of:							
REN3301 Biodiversity and Conservation	1	2			1	2	
REN3302 Sustainable Resource Use	1	2			1	2	

Environment and Sustainability specialisation recommended enrolment pattern - part-time S1 or S2 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
REN8101 Environment, Society and Sustainability					1	1	Enrolment is not permitted in REN8101 if REN1201 has been previously completed.
SCI6103 Research Fundamentals and Ethics					1	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
REN8202 Conservation for Sustainable Futures					1	2	Enrolment is not permitted in REN8202 if REN2200 has been previously completed.
And one of:							
REN3301 Biodiversity and Conservation	1	2			1	2	
REN3302 Sustainable Resource Use	1	2			1	2	
Year 2							
CLI3301 Climate and Environment Risk Assessment					2	1	
CLI8204 Global Environmental Systems					2	1	
CLI8205 Climate and Sustainability					2	2	
REN8203 Sustainability Science					2	2	Pre-requisite: REN8101 or REN8202 or REN3302 or REN3301 or CLI8204 or CLI8205 or ECO8011

Mathematics and Statistics specialisation recommended enrolment pattern - full-time S1 entry (with QSSSS Mathematical Methods)

The recommended enrolment pattern for this specialisation is an example only for S1 enrolment. Students may vary or select their own pattern, keeping in mind any course pre-requisites, timetable constraints and the requirements to graduate outlined above in the Program Structure. If unsure about a suitable enrolment pattern, students should contact the Program Director.

This pattern assumes students have current skills at the level of Queensland Senior Secondary School Studies Mathematical Methods or equivalent. Students without this knowledge should contact the Program Director for advice and may have to study part-time.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Semester 1							
MAT1102 Algebra and Calculus I[#]	1	1			1	1	
STA6200 Statistics for Quantitative Researchers[<#$]	1	1			1	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
STA6100 Multivariate Analysis for High-Dimensional Data	1	1			1	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolment is not permitted in STA6100 if STA3200 has been previously completed

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
MAT8180 Mathematics/Statistics Complementary Studies A#*	1	1			1	1	
Semester 2							
MAT2200 Operations Research 1#	1	2			1	2	Pre-requisite: MAT1102 or ENM1600 or e quivalent or approval from the examiner. Enrolment is not permitted in MAT2200 if MAT1200 has been previously completed.
STA8190 Advanced Statistics B*$					1	2	
MAT2100 Algebra and Calculus II#	1	2			1	2	Pre-requisite: MAT1102 or MAT1502 or ENM1600 or Students must be enrolled in the following program: MSCN or MEPR or BSED
CSC2410 Computational Thinking with Python	1	2			1	2	

Footnotes

Recommended for students wanting to teach mathematics.
< If STA2300 has been completed previously, contact the Program Director to choose an alternative course to STA6200.
$ Recommended for students wanting to specialise in statistics.
* This course is topic based. Students should select their topic from the course specification and email the examiner for approval prior to enrolment.

Mathematics and Statistics specialisation recommended enrolment pattern - full-time S1 entry (without MAT1102 or STA1003 (or STA6200))

The recommended enrolment pattern for this specialisation is an example only for S1 enrolment. Students may vary or select their own pattern, keeping in mind any course pre-requisites, timetable constraints and the requirements to graduate outlined above in the Program Structure. If unsure about a suitable enrolment pattern, students should contact the Program Director.

This pattern requires students to have knowledge equivalent to MAT1102 Algebra and Calculus I **and** (STA6200 Statistics for Quantitative Researchers or STA2300).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Semester 1							
ENM2600 Advanced Engineering Mathematics§	1	1			1	1	Pre-requisite: ENM1600 or Students must be enrolled in one of the following Programs: GCEN or METC or MENS or GDNS or MEPR or MSCN
STA8180 Advanced Statistics A$*					1	1	
STA6100 Multivariate Analysis for High-Dimensional Data	1	1			1	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolmen t is not permitted in STA6100 if STA3200 has been previously completed
MAT3201 Operations Research 2<#†	1	1			1	1	Pre-requisite: MAT1200 or MAT2200 or Stu dents must be enrolled in one of the follow ing Programs: MSCN or GDSI
Semester 2							
MAT8190 Mathematics/Statistics Complementary Studies B#*	1	2			1	2	
STA8190 Advanced Statistics B $ *					1	2	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
MAT2200 Operations Research 1 #	1	2			1	2	Pre-requisite: MAT1102 or ENM1600 or equivalent or approval from the examiner. Enrolment is not permitted in MAT2200 if MAT1200 has been previously completed.
CSC2410 Computational Thinking with Python	1	2			1	2	

Footnotes

§ Unavailable online in S3 2023
$ Recommended for students wanting to specialise in statistics.
* This course is topic based. Students should select their topic from the course specification, ensuring they have any prerequisites stated for their chosen topic, and email the examiner for approval prior to enrolment.
< The on-campus offering of this course is offered in odd—numbered years only.
Recommended for students wanting to teach mathematics.
† Unavailable on-campus at Toowoomba in S1 2023

Mathematics and Statistics specialisation recommended enrolment pattern - part-time S1 entry

The recommended enrolment pattern for this specialisation is an example only for S1 enrolment. Students may vary or select their own pattern, keeping in mind any course pre-requisites, timetable constraints and the requirements to graduate outlined above in the Program Structure. If unsure about a suitable enrolment pattern, students should contact the Program Director via usq.support@usq.edu.au.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Semester 1							
STA6200 Statistics for Quantitative Researchers **#$	1	1			1	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
MAT1102 Algebra and Calculus I#	1	1			1	1	
Semester 2							
MAT2100 Algebra and Calculus II#	1	2			1	2	Pre-requisite: MAT1102 or MAT1502 or ENM1600 or Students must be enrolled in the following program: MSCN or MEPR or BSED
CSC2410 Computational Thinking with Python	1	2			1	2	
Choose four (4) of the following (at least three (3) of which must be at Level 6 and/or 8):							
STA2301 Distribution Theory$	2	1			2	1	Pre-requisite: (STA2300 or STA1003 or equivalent) and (MAT1102 or ENM1600)
STA3300 Experimental Design$	2	1			2	1	Pre-requisite: STA2300 or STA1003 or equivalent or approval of examiner
STA6100 Multivariate Analysis for High-Dimensional Data# ^	2	1			2	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolment is not permitted in STA6100 if STA3200 has been previously completed
STA2302 Statistical Inference $					2	2	Pre-requisite: STA2301
STA3301 Statistical Models~$	2	2			2	2	Pre-requisite: STA3300 or approval of examiner or Students must have completed STA8170 or STA6200 and be enrolled in one of the following Programs: GCSC or GDSI or MSCN or MADS or MSCR or DPHD.
STA8180 Advanced Statistics A $ *					2	1	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
STA8190 Advanced Statistics B$ *					2	2	
MAT2409 High Performance Numerical Computing†	2	1			2	1	Pre-requisite: (CSC2410 or CSC1401) and (MAT1102 or ENM1600) or Students must be enrolled in one of the following Programs: MPIT or MCOT or MCTE
MAT2200 Operations Research 1 #	2	2			2	2	Pre-requisite: MAT1102 or ENM1600 or equivalent or approval from the examiner. Enrolment is not permitted in MAT2200 if MAT1200 has been previously completed.
MAT3105 Harmony of Partial Differential Equations # <	2	1			2	1	Pre-requisite: ENM2600 or MAT2100 or MAT2500
MAT3103 Mathematical Modelling and Dynamical Systems # <	2	2			2	2	Pre-requisite: MAT2100 or MAT2500 or ENM2600
MAT3201 Operations Research 2>#†	2	1			2	1	Pre-requisite: MAT1200 or MAT2200 or Students must be enrolled in one of the following Programs: MSCN or GDSI
MAT3104 Mathematical Modelling in Financial Economics#>	2	2			2	2	Pre-requisite: (STA2300 or STA1003 or equivalent) and (MAT2100 or MAT2500 or ENM2600)
MAC8901 Issues in Teaching Mathematics # %	2	2			2	2	
SCI3302 Work-Integrated-Learning@	2	3		1,2,3			Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
MAT8180 Mathematics/Statistics Complementary Studies A # $ *	2	1			1	1	
MAT8190 Mathematics/Statistics Complementary Studies B # $ *	2	2			1	2	

Footnotes

** If STA2300 has been completed previously, contact the Program Director to choose an alternative course to STA6200.
# Recommended for students wanting to teach mathematics.
$ Recommended for students wanting to specialise in statistics.
^ recommended for teachers wanting to improve their content knowledge in statistics.
~ Unavailable Semester 2, 2023 Toowoomba On-campus
* This course is topic based. Students should select their topic from the course specification and email the examiner for approval prior to enrolment.
† Unavailable on-campus at Toowoomba in S1 2023
< The on-campus offering of this course is offered in even years only.
> The on-campus offering of this course is offered in odd—numbered years only.
% Recommended for teachers only. Teachers wishing to improve their content knowledge in statistics should also complete STA6100.
@ This course is available subject to approval of the Program Director via usq.support@usq.edu.au; and availability of a relevant placement.

Physics and Astronomy specialisation recommended enrolment pattern - full-time S1 or S2 entry

The recommended enrolment pattern for this specialisation is a recommended example. Students may vary or select their own pattern, keeping in mind any course pre-requisites, timetable constraints and the requirements to graduate outlined above in the Program Structure. If unsure about a suitable enrolment pattern, students should contact the Program Director via usq.support@usq.edu.au.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
PHY1101 Astronomy 1 *	1	1			1	1	
PHY1104 Physics 1	1	1			1	1	Co-requisite: (MAT1102 or ENM2600) or Students must be enrolled in one of the following Programs: MSCN or GDSI or GCSC

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
SCI6103 Research Fundamentals and Ethics					1	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
SCI6102 Research Skills ^					1	1,2	
PHY1107 Astronomy 2*	1	2			1	2	
PHY1911 Physics 2	1	2			1	2	Co-requisite: (MAT2100 or ENM1600) or S tudents must be enrolled in one of the follow ing Programs: MSCN or GDSI or GCSC
Approved courses - Choose one of the following two-unit courses:							
PHY8001 Observational Astronomy†#					1	1	
PHY8002 Planetary Science†#					1	1	
PHY8003 Galactic Astronomy and Cosmology † #					1	2	
PHY8004 Stellar Astronomy † #					1	2	

Footnotes

* Astronomical observations for each course are made remotely via internet access to UniSQ's Mt Kent Observatory. Voluntary field nights will also be made available.

^ SCI6102 can be taken in S2 and an approved course taken in S1.

† Two unit course.

\# Astronomical observations for each course are made remotely via internet access to UniSQ's Mt Kent Observatory.

Physics and Astronomy Specialisation recommended enrolment pattern - part-time S1 or S2 entry

The recommended enrolment pattern for this specialisation is a recommended example. Students may vary or select their own pattern, keeping in mind any course pre-requisites, timetable constraints and the requirements to graduate outlined above in the Program Structure. If unsure about a suitable enrolment pattern, students should contact the Program Director via usq.support@usq.edu.au.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
PHY1101 Astronomy 1*	1	1			1	1	
PHY1104 Physics 1	1	1			1	1	Co-requisite: (MAT1102 or ENM2600) or S tudents must be enrolled in one of the follow ing Programs: MSCN or GDSI or GCSC
PHY1107 Astronomy 2*	1	2			1	2	
PHY1911 Physics 2	1	2			1	2	Co-requisite: (MAT2100 or ENM1600) or S tudents must be enrolled in one of the follow ing Programs: MSCN or GDSI or GCSC
SCI6103 Research Fundamentals and Ethics					2	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
SCI6102 Research Skills					2	2	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Approved courses - Choose one of the following two-unit courses:							
PHY8001 Observational Astronomy † #					2	1	
PHY8002 Planetary Science † #					2	1	
PHY8003 Galactic Astronomy and Cosmology † #					2	2	
PHY8004 Stellar Astronomy † #					2	2	

Footnotes

* Astronomical observations for each course are made remotely via internet access to UniSQ's Mt Kent Observatory. Voluntary field nights will also be made available.

† Two unit course.

\# Astronomical observations for each course are made remotely via internet access to UniSQ's Mt Kent Observatory.

Sport and Exercise Specialisation recommended enrolment pattern - full-time S1 or S2 entry

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1/Semester 1								
SES8005 Advanced Exercise Physiology *	1	1	1	1			M	
SES8006 Advanced Exercise Programming and Rehabilitation *	1	1	1	1			M	
One of the following level 8 coursework courses from the Sport and Exercise specialisation in the Master of Science (MSCN):								
SES8003 Advanced Motor Control and Learning *	1	1	1	1			M	
SES8008 Advanced Anatomy and Physiology *	1	1	1	1			M	
One elective course from the list below or as approved by the Program Director	1	1			1	1		
Year 1/Semester 2								
SES8007 Advanced Exercise Assessment and Delivery *	1	2	1	2			M	
SES8001 Advanced Biomechanics *	1	2	1	2			M	
Two of the following coursework courses from the Sport and Exercise specialisation in the Master of Science (MSCN):								
SES2203 Physical Activity and Health	1	2			1	2		
SES1103 Nutrition and Exercise	1	2	1	2			M	
PSY3250 Sport and Exercise Psychology					1	2		Pre-requisite: PSY1010 or Students must be enrolled in one of the following programs: GDSI or MSCN
SES3206 Strength Training and Conditioning *	1	2	1	2			M	Pre-requisite: SES2103 and SES2104
Approved electives:								
CSC5020 Foundations of Programming £	1	1,2,3			1	1,2,3		
EDU8400 Mentoring and Coaching					1	1,2		
EDU8606 Lifelong Career Development					1	1		

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
HSW8220 Promoting Community Access and Inclusion##					1	1		
MBA8000 Applied Business Research and Ethics#	1	1			1	1,2		
MGT8033 Leading Organisational Change	1	1,2			1	1,2		
MGT8038 Leadership Development					1	1,2		
PCM5000 Practical Editorial Skills					1	1		
PUB5001 Introduction to Editing and Publishing					1	1,3		

Footnotes

* Only available in on-campus mode at Ipswich.

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

HSW8220 is not available ONL in S1 2023

The Semester 2 online offering will not be available in 2023.

Master of Business Administration (MBAD) - MBA

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should contact us.

	On-campus	Online
Start:	No new admissions	No new admissions
Campus:	Springfield, Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	1.5 years full-time, up to 6 years part-time	
Program articulation:	From: Graduate Certificate of Business To: Doctor of Business Administration	

Notes:

Not all specialisation courses are available on-campus. For further information, contact the Faculty of Business, Education, Law and Arts.

There are limited courses available in semester 3.

Contact us

Current students
Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Professional accreditation

UniSQ is a global Registered Education Provider (R.E.P.) accredited by the US-based Project Management Institute (PMI)®, which is the largest professional body for project managers in the world with over 450,000 members. UniSQ's status as an R.E.P. ensures the currency, quality and global recognition of the project management programs and courses offered by UniSQ both on-campus and online. Completion of project management courses and programs at UniSQ earns professional development units (PDUs) as evidence of professional development and credit towards PMI's Continuing Certification Requirements (CCR) program. Details can be obtained at the Project Management Institute

PMI, PMP and Project Management Professional (PMP) are registered marks of the Project Management Institute, Inc.

The Master of Business Administration (Strategic Human Resource Management) is accredited by Australian Human Resources Institute (AHRI).

Program aims

The UniSQ MBA program will enhance student analytical skills related to management, people, markets, finance, and technical knowledge. Graduates will be able to solve complex organisational problems and be able to manage change through the mastery of particular skills related to creativity, information literacy, and self reflection. The program focuses on how to demonstrate leadership in global sustainability and how to understand the nature of ethical decisions across contemporary business practice. The UniSQ MBA program will enable graduates to work in virtual and non-traditional work environments and increase personal mastery in oral and written communication.

Program objectives

The MBA graduate will be able to:

- demonstrate applied knowledge of people, markets, finances, technology and management skills in practice
- identify and solve complex organisational problems, creatively, and practically to increase the effectiveness of management processes
- communicate professionally and effectively in a range of modes to various audiences to achieve targeted outcomes
- demonstrate an understanding of organisations in the global environment and the impact of these on organisational systems
- evaluate, synthesise and critically review theoretical frameworks with other evidence to provide solutions to real-world problems
- demonstrate reflective practice and apply learning to different contexts
- demonstrate an understanding of the impact of interpersonal communication on specific management processes and outcomes using relevant theories and concepts
- comprehend and address complex ethical dilemmas
- demonstrate an understanding of complex sustainable dilemmas and the need for responsible leadership
- demonstrate an understanding of the skills required to work in non-traditional and virtual working environments
- demonstrate the skills required for leadership of other, working in teams and working with people from diverse cultural and professional backgrounds in both virtual and real-time spaces
- communicate professionally and effectively in both oral and written communication to various audiences to achieve targeted outcomes.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university Bachelor degree in the area of business and a minimum of two years' professional work experience, or equivalent.
- English Language Proficiency requirements for Category 3.

For candidates who have a Bachelor degree or equivalent (AQF level 7) in a non-related discipline from a recognised institution, with two years' professional work experience in the area of business, UniSQ's Graduate Certificate of Business provides an articulation pathway into the Master of Business Administration. Upon completion and achievement of a minimum GPA of 4.0, they will be eligible for entry into the Master of Business Administration.

Candidates with a Graduate Certificate (AQF level 8) or higher qualification in any discipline, with two years' professional work experience in the area of business may apply for entry into the Master of Business Administration. Eligibility for entry will be determined on a case-by-case basis.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place
International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The Master of Business Administration consists of 12 courses, each of one unit, comprising 8 core courses **plus** 4 discipline specialisation courses or 4 general specialisation courses.

- The core of 8 units comprises 4 foundation core courses and 4 non-foundation core courses.
- The discipline specialisation comprises 3 discipline-specific courses plus the capstone course MGT8002 .
- The General specialisation comprises any 3 related courses plus the capstone course MGT8002 . The selection of the three elective courses is subject to the approval of the Program Coordinator in the Faculty of Business, Education, Law and Arts or a nominee. To discuss which courses to study within the General specialisation, please contact UniSQ. All course pre-requisites must be met.

Students will normally be required to complete the 4 foundation core courses before progressing to the other courses.

Required time limits

Students have a maximum of six years to complete this program.

Core courses

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Foundation core courses			
ACC5502	1, 3	1	1
ECO5000 Managerial Economics	1 ,2	2	2
MGT5000 Managing Organisational Behaviour	1, 3		1
MKT5000	2, 3	2	2
Non-foundation core courses:			
CIS8000 Global Information Systems Strategy (Formerly CIS5001)	1, 2	1, 2	2
MBA8000 Applied Business Research and Ethics	1, 2		1
MGT8022 Project-Based Management	2, 3		2
MGT8033 Leading Organisational Change	1, 2		2

Specialisations

There are named specialisations and a general specialisation available in the Master of Business Administration. Students will be able to choose ONE specialisation only to make up the 12 courses. Alternatively, you may choose three courses from any specialisation plus MGT8002 to make up a General specialisation. Students may enrol in a project course/s as part of the General specialisation. This is dependent upon permission from the Faculty of Business, Education, Law and Arts and the availability of a supervisor. Students may also be able to choose courses from across the University subject to the approval of the Faculty of Business, Education, Law and Arts and may involve pre-requisites.

Project courses

Course	Semester of offer Distance/Online
BUS8101 Business Project A	1, 2
BUS8102 Business Project B	1, 2

Business Leadership specialisation

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
MGT8037 Leading Teams to Success	2		
MGT8038 Leadership Development	1, 2		
MGT8039 Strategic Leadership	3		
MGT8002	1, 2, 3		

Digital Marketing Analytics

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CIS5101 Digital Enterprise[£]	2, 3	2	2
CIS8025 Big Data Visualisation	1, 2	1, 2	
MKT8011 Digital Business Management	2	2	
MGT8002	1, 2, 3		

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Digital Transformation specialisation

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CIS8008 Business Intelligence	1, 2	1	1

CIS8011 Digital Innovation[£]	2, 3	2	2
CIS8018 Cyber Security[£]	2	2	2
MGT8002	1, 2, 3		

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Please note: Students planning to study the Digital Transformation specialisation at the Toowoomba campus are strongly encouraged to commence in semester 1. Not all courses will be available at the Toowoomba campus for a semester 2 commencement.

Finance specialisation

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
FIN8201 Corporate Finance	1, 3	1	1
FIN8202 Financial Markets and Instruments	2		
FIN8203 Strategic Investments	1		
MGT8002	1, 2, 3		

Please note: Students planning to study the Finance specialisation at the Toowoomba campus are strongly encouraged to commence in semester 1. Not all courses will be available at the Toowoomba campus for a semester 2 commencement.

General specialisation

To discuss which courses to study within the General specialisation, please contact UniSQ. All course pre-requisites must be met, and all courses chosen are subject to the approval of the Program Coordinator.

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Select 3 courses from UniSQ postgraduate courses, subject to the approval of the Faculty of Business, Education, Law and Arts			
MGT8002	1, 2, 3		

Please note: Not all courses are available at Toowoomba and Springfield campuses.

Global Business Management specialisation

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
ECO8060	1		
LAW8118 International Business Law	1		
MGT8032 International Management	2		
MGT8002	1, 2, 3		

Project Management specialisation

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
MGT8002	1, 2, 3		
Choose any three (3) courses from the seven (7) below:			
MGT8073 Project Processes and Systems	1		1
MGT8075 Project Delivery	2		2
MGT8077 Project Risk Management	1		1
MGT8078 Portfolio, Program and Benefits Management	1		1
MGT8074 Project Team Leadership	2		2
MGT8076 Project-based Change Management	1		1
MGT8022 Project-Based Management*	2, 3		2

Footnotes

* MGT8022 Project-Based Management is a core course in the Master of Business Administration (MBAD). Students in the MBAD cannot chose this course.

Strategic Human Resource Management specialisation

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
MGT8030 Performance Management and People Development	1		
MGT8031 Global Issues in Employment Relations	2		
MGT8034 Strategic Management of Human Resources and Innovation	3		
MGT8002	1, 2, 3		

Strategic Marketing specialisation

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
MKT8001	1		
MKT8002	1		
MKT8012 Strategic Marketing and Innovation	2		
MGT8002	1, 2, 3		

Sustainable Business specialisation

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
ECO8011 Global Issues in Environmental Management and Sustainability	1		
ECO8012	2		
REN8101 Environment, Society and Sustainability	1		
MGT8002	1, 2, 3		

IT requirements

For information technology requirements please refer to the minimum computing standards.

Other program requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Articulation

Students who complete the Master of Business Administration are eligible to apply for the Doctor of Business Administration, provided that they meet all of the admission requirements for that program. Please refer to the Doctor of Business Administration for further information, or contact the Faculty of Business, Education, Law and Arts.

Exit points

A student who chooses not to complete or who does not maintain good standing in this program may be permitted to exit with a lesser qualification as set out below:

- A student who successfully completes eight Master of Business Administration units may, upon application, exit with a Graduate Diploma of Business. A student who has successfully completed all the requirements of at least one specialisation may have one specialisation shown on their testamur.
- A student who successfully completes four Master of Business Administration units may, upon application, exit with a Graduate Certificate of Business. A student who has successfully completed all the requirements of a 4-unit specialisation may have that specialisation shown on their testamur.

Credit

Credit may be granted on the basis of completed equivalent postgraduate study from a recognised university. In order for credit to be granted, the claim must meet the following specific requirements:

- the course was passed within five years prior to the application (courses up to 10 years old may be considered if evidence is provided that the applicant has been employed in that field)
- the course passed is sufficiently equivalent in objectives, content and weightings to a course prescribed in the Master of Business Administration, or alternatively, the course is suitable as an elective
- the maximum credit granted is no greater than six courses for the Master of Business Administration
- credit approved in this program will not automatically apply to other programs offered by the UniSQ.

Claims for credit should be submitted prior to or at the time of enrolment in a course. Each claim will be assessed on individual merit in line with UniSQ policy. Credit approved in this program will not automatically apply to other programs offered by UniSQ. Please contact the Faculty of Business, Education, Law and Arts for further information.

Business Leadership specialisation recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
CIS8000 Global Information Systems Strategy §	1	1			1	1		Formerly CIS5001
MBA8000 Applied Business Research and Ethics					1	1		
ECO5000 Managerial Economics					2	1		
MKT5000	1	2			1	2		
MGT8033 Leading Organisational Change *	1	2			1	2		
MGT8037 Leading Teams to Success					1	2		
MGT8039 Strategic Leadership					1	3		
MGT8022 Project-Based Management *	2	1			1	1		
MGT8038 Leadership Development					2	1, 2		
MGT8002 §					2	1		

Footnotes

§ This course is not offered at Springfield campus in semester 1.

* This course is not offered at Toowoomba campus.

Digital Marketing Analytics specialisation recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
CIS8000 Global Information Systems Strategy §	1	1			1	1		Formerly CIS5001
MGT8033 Leading Organisational Change *	1	1			1	1		
ECO5000 Managerial Economics					2	1		
MKT5000	1	2			1	2		
CIS8025 Big Data Visualisation ^	1	2			1	2	Enrolment is not permitted in CIS8025 if CIS8701 has been previously completed.	
MKT8011 Digital Business Management ^	1	2			1	2		
CIS5101 Digital Enterprise £	2	1			2	1	Co-requisite: CIS5100 or Students must be enrolled in one of the following Programs: GCBU or GDBZ or MBAD or IMBA or MPPM. Enrolment is not permitted in CIS5101 if CIS8100 has been previously completed.	
MGT8022 Project-Based Management *	1	1			1	1		
MBA8000 Applied Business Research and Ethics					2	2		

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
MGT8002 §	2	1			2	1		

Footnotes

§ This course is not offered at Springfield campus in semester 1.
* This course is not offered at Toowoomba campus.
^ This course is not offered at Springfield campus.
£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Digital Transformation specialisation recommended enrolment pattern (semester 1 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
CIS8000 Global Information Systems Strategy §	1	1			1	1		Formerly CIS5001
MBA8000 Applied Business Research and Ethics					1	1		
ECO5000 Managerial Economics					2	1		
MKT5000	1	2			1	2		
CIS8011 Digital Innovation£	1	2			1	2		
CIS8018 Cyber Security£	1	2			1	2		
MGT8022 Project-Based Management*	1	1			1	1		
MGT8033 Leading Organisational Change* §	2	1			2	1		
CIS8008 Business Intelligence	2	1			2	1		
MGT8002 §					2	1		

Footnotes

§ This course is not offered at Springfield campus in semester 1.
£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024
* This course is not offered at Toowoomba campus.

Digital Transformation specialisation recommended enrolment pattern (semester 2 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ECO5000 Managerial Economics	1	2			1	2		
MKT5000	1	2			1	2		
MBA8000 Applied Business Research and Ethics †	1	2			1	2		
CIS8000 Global Information Systems Strategy	2	1			2	1		Formerly CIS5001

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
MGT8022 Project-Based Management*	1	2			1	2		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
CIS8008 Business Intelligence	1	1			1	1		
MGT8033 Leading Organisational Change*	2	2			2	2		
CIS8011 Digital Innovation£	2	2			2	2		
CIS8018 Cyber Security£	2	2			2	2		
MGT8002 §					2	2		

Footnotes

† This course is not offered on-campus in semester 2.
* This course is not offered at Toowoomba campus.
£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024
§ This course is not offered at Toowoomba campus in semester 2.

Finance specialisation recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
CIS8000 Global Information Systems Strategy §	1	1			1	1		Formerly CIS5001
FIN8201 Corporate Finance	1	1			1	1		
ECO5000 Managerial Economics					2	1		
MKT5000	1	2			1	2		
MGT8033 Leading Organisational Change*	1	2			1	2		
FIN8202 Financial Markets and Instruments†					1	2	Pre-requisite: FIN8201	
MBA8000 Applied Business Research and Ethics					2	1		
MGT8022 Project-Based Management*	1	1			1	1		
FIN8203 Strategic Investments†					2	1	Pre-requisite: FIN8201 or FIN5000	
MGT8002 §					2	1		

Footnotes

§ This course is not offered at Springfield campus in semester 1.
* This course is not offered at Toowoomba campus.
† This course is offered online only.

General specialisation recommended enrolment pattern (semester 1 intake)

To discuss which courses to study within the General specialisation, please contact UniSQ. All course pre-requisites must be met, and all courses chosen are subject to the approval of the Program Coordinator.

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
CIS8000 Global Information Systems Strategy §	1	1			1	1		Formerly CIS5001
MBA8000 Applied Business Research and Ethics					1	1		
ECO5000 Managerial Economics					2	1		
MKT5000	1	2			1	2		
MGT8033 Leading Organisational Change *	1	2			1	2		
General specialisation course ‡	1	2			1	2		
MGT8022 Project-Based Management *	1	1			1	1		
General specialisation course ‡	2	1			2	1		
General specialisation course ‡	2	1			2	1		
MGT8002 §					1	1		

Footnotes

§ This course is not offered at Springfield campus in semester 1.
* This course is not offered at Toowoomba campus.
‡ Not all specialisation courses are offered in on-campus mode.

General specialisation recommended enrolment pattern - Toowoomba campus and online (semester 2 intake)

To discuss which courses to study within the General specialisation, please contact UniSQ. All course pre-requisites must be met, and all courses chosen are subject to the approval of the Program Coordinator.

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ECO5000 Managerial Economics	1	2			1	2		
MKT5000	1	2			1	2		
MBA8000 Applied Business Research and Ethics †	1	2			1	2		
MGT8033 Leading Organisational Change *	1	2			1	2		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
MGT8022 Project-Based Management *	2	1			2	1		
CIS8000 Global Information Systems Strategy	1	1			1	1		Formerly CIS5001
General specialisation course ^	2	1			2	1		
General specialisation course ^	2	2			2	2		
General specialisation course ^	2	2			2	2		

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
MGT8002 §					2	2		

Footnotes

† This course is not offered on-campus in semester 2.
* This course is not offered at Toowoomba campus.
^ Not all specialisation courses are offered in on-campus mode.
§ This course is not offered at Toowoomba campus in semester 2.

General specialisation recommended enrolment pattern - Springfield campus (semester 2 intake)

To discuss which courses to study within the General specialisation, please contact UniSQ. All course pre-requisites must be met, and all courses chosen are subject to the approval of the Program Coordinator.

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ECO5000 Managerial Economics	1	2						
MKT5000	1	2						
CIS8000 Global Information Systems Strategy	1	2						Formerly CIS5001
General specialisation course^	2	1						
ACC5502	1	1						
MGT5000 Managing Organisational Behaviour								
MBA8000 Applied Business Research and Ethics								
MGT8022 Project-Based Management	2	1			2			
MGT8033 Leading Organisational Change	2	2						
MGT8002								
General specialisation course^	2	2						
General specialisation course^	2	2						

Footnotes

^ Not all specialisation courses are offered at Springfield campus.

Global Business Management specialisation recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
ECO8060 †					1	1		
MBA8000 Applied Business Research and Ethics					1	1		
ECO5000 Managerial Economics					2	1		
MKT5000	1	2			1	2		
MGT8033 Leading Organisational Change *	1	2			1	2		
CIS8000 Global Information Systems Strategy	1	2			1	2		Formerly CIS5001

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
MGT8022 Project-Based Management*	1	2			1	2		
LAW8118 International Business Law					2	1		
MGT8032 International Management					2	2		
MGT8002 §					2	1		

Footnotes

† This course is offered online only.
* This course is not offered at Toowoomba campus.
§ This course is not offered at Springfield campus in semester 1.

Project Management specialisation recommended enrolment pattern (semester 1 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
Selective course from the Project Management specialisation	1	1			1	1		
MGT8022 Project-Based Management*	1	1			1	1		
ECO5000 Managerial Economics	1	2			1	2		
MKT5000	1	2			1	2		
Selective course from the Project Management specialisation	1	2			1	2		
CIS8000 Global Information Systems Strategy	1	2			1	2		Formerly CIS5001
MBA8000 Applied Business Research and Ethics					2	1		
MGT8033 Leading Organisational Change* §	2	1			2	1		
Selective course from the Project Management specialisation	2	1			2	1		
MGT8002 §					2	1		

Footnotes

* This course is not offered at Toowoomba campus.
§ This course is not offered at Springfield campus in semester 1.

Project Management specialisation recommended enrolment pattern (semester 2 intake)

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ECO5000 Managerial Economics	1	2			1	2		
MKT5000	1	2			1	2		
CIS8000 Global Information Systems Strategy	1	2			1	2		Formerly CIS5001

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
MGT8022 Project-Based Management^*	1	2			1	2		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
Selective course from the Project Management specialisation	1	1			1	1		
Selective course from the Project Management specialisation	1	1			1	1		
MGT8033 Leading Organisational Change *	2	2			2	2		
Selective course from the Project Management specialisation	2	2			2	2		
MBA8000 Applied Business Research and Ethics †	2	2			2	2		
MGT8002 §					2	2		

Footnotes

^ This course is not offered at Springfield campus in semester 2.
* This course is not offered at Toowoomba campus.
† This course is not offered on-campus in semester 2.
§ This course is not offered at Toowoomba campus in semester 2.

Strategic Human Resource Management specialisation recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
CIS8000 Global Information Systems Strategy §	1	1			1	1		Formerly CIS5001
MBA8000 Applied Business Research and Ethics					1	1		
ECO5000 Managerial Economics					2	1		
MKT5000	1	2			1	2		
MGT8033 Leading Organisational Change *	1	2			1	2		
MGT8031 Global Issues in Employment Relations					1	2		
MGT8034 Strategic Management of Human Resources and Innovation					1	3		
MGT8022 Project-Based Management *	1	1			1	1		
MGT8030 Performance Management and People Development					2	1		
MGT8002 §					2	1		

Footnotes

§ This course is not offered at Springfield campus in semester 1.
* This course is not offered at Toowoomba campus.

Strategic Marketing specialisation recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
CIS8000 Global Information Systems Strategy §	1	1			1	1		Formerly CIS5001
MBA8000 Applied Business Research and Ethics					1	1		
ECO5000 Managerial Economics					2	1		
MKT5000	1	2			1	2		
MGT8033 Leading Organisational Change					1	2		
MKT8012 Strategic Marketing and Innovation					1	2		
MKT8001					2	1		
MGT8022 Project-Based Management	1	2			1	1		
MKT8002					2	1		
MGT8002					2	1		

Footnotes

§ This course is not offered at Springfield campus in semester 1.

Sustainable Business specialisation recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC5502	1	1			1	1		
MGT5000 Managing Organisational Behaviour					1	1		
ECO8011 Global Issues in Environmental Management and Sustainability					1	1		
MBA8000 Applied Business Research and Ethics					1	1		
ECO5000 Managerial Economics					2	1		
MKT5000	1	2			1	2		
CIS8000 Global Information Systems Strategy	1	2			1	2		Formerly CIS5001
ECO8012					1	2		
MGT8033 Leading Organisational Change * §	2	1			2	1		
MGT8022 Project-Based Management *	1	1			1	1		
REN8101 Environment, Society and Sustainability					2	1	Enrolment is not permitted in REN8101 if REN1201 has been previously completed.	
MGT8002 §					2	1		

Footnotes

* This course is not offered at Toowoomba campus.

§ This course is not offered at Springfield campus in semester 1.

Master of Business (ends 2022) (MBSI) - MBus

CRICOS code (International applicants): 086146D

This program is offered only to continuing students. No new admissions will be accepted after Semester 3, 2022. Students who are interested in this study area should consider the Master of Business (MBIZ) which will be offered from Trimester 1, 2023.

	On-campus	Online
Start:	No new admissions	No new admissions
Campus:	Springfield, Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	1.5 years full-time, up to 6 years part-time	
Program articulation:	From: Graduate Certificate of Business	

Notes:

Not all specialisations are offered in on-campus mode. Where a specialisation is offered on-campus, it may not be offered in that mode at all campuses.

There are limited courses available in semester 3.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Program aims

The Master of Business is an advanced cross disciplinary academic program that aims to build and extend business related skills in two specialised areas. It provides students with the ability to match their specialisations with their career goals.

Program objectives

Upon completion of the Master of Business, students will be able to:

- demonstrate advanced and integrated understanding of a complex body of knowledge in business and emerging cross-disciplinary specialisations
- independently undertake critical analysis, reflect on and synthesise complex information, problems, concepts and theories in business and emerging cross-disciplines
- engage in independent research using a relevant theoretical framework as a practitioner or learner
- demonstrate expert judgement, autonomy and responsibility in the application of established theories to a body of knowledge or practice
- communicate knowledge, skills and ideas to specialist and non-specialist audiences.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 09. Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university Bachelor degree in the area of business, or equivalent.
- English Language Proficiency requirements for Category 3.

For candidates who have a Bachelor degree or equivalent (AQF level 7) in a non-related discipline from a recognised institution, UniSQ's Graduate Certificate of Business provides an articulation pathway into the Master of Business. Upon completion and achievement of a minimum GPA of 4.0, they will be eligible for entry into the Master of Business.

Candidates with a Graduate Certificate (AQF level 8) or higher qualification in any discipline may apply for entry into the Master of Business. Eligibility for entry will be determined on a case-by-case basis.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The Master of Business is comprised of 12 units. All students must complete:

- Two coursework specialisations of 4 units each (8 units)
- One research specialisation (4 units).

Note: Students must successfully complete 8 units of the program before enrolling in BUS8101 Business Project A (1 unit) and BUS8102 Business Project B (1 unit).

Normally these courses should be undertaken in the final semester of study.

Coursework Specialisations

Select two coursework specialisations from the following:

- Applied Human Resource Management
- Digital Transformation
- Enterprise Leadership
- Finance
- General
- Strategic Human Resource Management

Required time limits

Students have a maximum of six years to complete this program.

Applied Human Resources Management specialisation

This program has successfully met the criteria for accreditation with the Australian Human Resources Institute (AHRI) when combined with the 'Strategic Human Resource Management' specialisation.

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
MGT5000 Managing Organisational Behaviour	1,3		1
MGT8006 Inclusive Workplaces	1		
MGT8043 Contemporary HRM Issues for Managers	2		
MGT8049 Building an Engaged Workforce	1		

Digital Transformation specialisation

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CIS8008 Business Intelligence	1, 2	1	1
CIS8011 Digital Innovation[£]	2, 3	2	2
CIS8018 Cyber Security[£]	2, 3	2	2
CIS5101 Digital Enterprise[£]	2, 3	2	2

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Enterprise Leadership specialisation

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
MGT8038 Leadership Development	1, 2		

MGT8039 Strategic Leadership	3		
MGT8034 Strategic Management of Human Resources and Innovation	3		
MGT8031 Global Issues in Employment Relations	2		

Finance specialisation

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
FIN8201 Corporate Finance	1, 3	1	1
FIN8202 Financial Markets and Instruments#	2	2	
FIN8203 Strategic Investments	1		
ECO5000 Managerial Economics	1, 2	2	2

Footnotes

Toowoomba offer is not available in Semester 2, 2022.

General specialisation

The General specialisation comprises any 4 courses from the Master of Business Administration, Master of Project Management and Master of Business as well as other postgraduate courses from across the university subject to the approval of the Faculty of Business, Education, Law and Arts and meeting any prerequisite requirements. To discuss which courses to study within the General specialisation, please contact UniSQ.

Strategic Human Resource Management specialisation

This program has successfully met the criteria for accreditation with the Australian Human Resources Institute (AHRI) when combined with the 'Applied Human Resource Management' specialisation.

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
MGT8030 Performance Management and People Development	1		
MGT8031 Global Issues in Employment Relations	2		
MGT8034 Strategic Management of Human Resources and Innovation	3		
MGT8033 Leading Organisational Change	1,2	1	2

Research specialisation

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
MBA8000 Applied Business Research and Ethics	1, 2		1

MGT8040 Entrepreneurship, Innovation and Creativity	2		
BUS8101 Business Project A	1, 2		
BUS8102 Business Project B	1, 2		

IT requirements

For information technology requirements please refer to the minimum computing standards.

Other program requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Exit points

A student who chooses not to complete or who does not maintain good standing in this program may be permitted to exit with a lesser qualification as set out below:

- A student who successfully completes eight Master of Business units may, upon application, exit with a Graduate Diploma of Business. A student who has successfully completed all the requirements of at least one specialisation may have one specialisation shown on their testamur.
- A student who successfully completes four Master of Business units may, upon application, exit with a Graduate Certificate of Business. A student who has successfully completed all the requirements of a 4-unit specialisation may have that specialisation shown on their testamur.

Credit

Credit may be granted on the basis of completed equivalent postgraduate study from a recognised university. In order for credit to be granted, the claim must meet the following specific requirements:

- the course was passed within five years prior to the application (courses up to 10 years old may be considered if evidence is provided that the applicant has been employed in that field)
- the course passed is sufficiently equivalent in objectives, content and weightings to a course prescribed in the Master of Business, or alternatively where applicable the course is suitable as an elective
- the maximum credit granted is no greater than six courses for the Master of Business
- credit approved in this program will not automatically apply to other programs offered by UniSQ.

Claims for credit should be submitted prior to or at the time of enrolment in a course. Each claim will be assessed on individual merit in line with UniSQ policy. Credit approved in this program will not automatically apply to other programs offered by UniSQ. Please contact the Faculty of Business, Education, Law and Arts for further information.

Recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Specialisation 1 course	1	1			1	1	
Specialisation 2 course	1	1			1	1	
Specialisation 1 course	1	1			2	1	
Specialisation 2 course	1	1			2	1	
Specialisation 1 course	1	2			1	2	
Specialisation 2 course	1	2			1	2	
Research specialisation course	1	2			2	2	
Research specialisation course	1	2			2	2	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Specialisation 1 course	2	1			3	1	
Specialisation 2 course	2	1			3	1	
Research specialisation course/s*	2	1			3	2	

Footnotes

* Select either RSH8002 Business Innovation Research (2 units) or {BUS8101 Business Project A (1 unit) and BUS8102 Business Project B (1 unit)}.

Master of Computing (MCOP) - MComp

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should contact us.

	On-campus^	Online^
Start:	No new admissions	No new admissions
Campus:	Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	1.5 years full-time, 3 years part-time, 4.5 years maximum	
Program articulation:	From: Graduate Diploma of Information Technology	

Notes:

Please consult the Faculty of Health, Engineering and Sciences for more information about articulation from the ; Graduate Diploma of Information Technology.

Footnotes

^ No new admissions into this program

Contact us

Current students
Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Program objectives

The general objective of the Master of Computing is to produce graduates who possess high-level skills in computing theory, practice and research, who are attractive to employers, and are able to contribute to an appropriate professional body. Graduates will be able to pursue further studies, such as a Doctor of Philosophy, will be able to contribute to the discipline of computing, take advantage of research literature, and have an understanding of how to undertake their own research.

On graduation from this program, students will be able to:

- design, manage and develop complex software systems in an effective manner, using concepts of professionalism and ethical practice
- summarise and explain key components of a broad range of topics in theoretical computer science by communication (both written and verbally) using appropriate interpersonal skills and team work
- undertake a study of the literature in an area of computer science and make an assessment of that area
- apply theoretical concepts from computer science to appropriate computing problems in diverse contexts
- identify computing problems requiring further research and develop a research plan for those problems.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university three-year Bachelor degree in the area of computing, or equivalent.
  or

Completion of either the Graduate Diploma of Information Technology, the Graduate Diploma of Professional Computing or the Graduate Diploma of Advanced Computing through UniSQ, or equivalent.

- English Language Proficiency requirements for Category 3.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

To be eligible for the award of Master of Computing, each student is required to complete a four unit research project (MSC8001 and MSC8002), CSC8600 , CIS5310 IS/ICT Project Management[£], and at least six units found in the coursework table below. Any courses completed as part of an undergraduate program for which an award has been given, will not attract credit for the Master of Computing. Exemptions or credit for previous study will not be permitted except for incomplete studies.

Students seeking Skill Accreditation, or other accreditations from professional bodies such as the Australian Computer Society, should seek advice from the professional bodies before they apply for credits or exemptions.

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Required time limits

Students have a maximum of 4.5 years to complete this program.

Coursework

The coursework will consist of six courses chosen from those in the table below.

At least three courses will be Group 1 Courses. Exemptions or credit for previous study will not be permitted except for incomplete studies. However, if deemed appropriate with the aims of the program, and subject to

approval by the Faculty of Health, Engineering and Sciences, students may include up to three units of other study at the appropriate level.

Students seeking Skill Accreditation, or other accreditations from professional bodies such as the Australian Computer Society, should seek advice from the professional bodies before they apply for credits or exemptions.

Coursework	
Group 1 Courses	
Semester 1	**Semester 2**
CSC8407	CSC8421
CSC8410 Independent Studies in Computing/Mathematics/Statistics A	CSC8426 #
CSC8416 +	CSC8411 Independent Studies in Computing/Mathematics/Statistics B
CSC8422 Web Data Visualisation	CSC8415 Computer Network Programming
CSC8419	CSC8420 Mobile Systems
CSC8480 Computing Complementary Studies A	CSC8490
Group 2 Courses	
Semester 1	**Semester 2**
CSC8500 Advanced Relational Database Design and Technology	CSC8513 Network Performance Analysis
CSC8503 Principles of Programming Languages	CSC8527 Scaling and Connecting Networks
CSC8512 Advanced System Administration	
CSC8507 Networking Technologies	

Footnotes

This course replaces CSC8409 which has been discontinued.

+ CSC8416 Advanced Programming in Java will not be offered in S1 2021, replacement course options are: CSC8407, CSC8410, CSC8480, CSC8101, CSC8004, CIS8708, CIS8500.

Research

In addition to the coursework, each student is required to complete a four-unit research project. To satisfy this requirement, students will complete both of the two-unit courses, MSC8001 and MSC8002 . Subject to approval by the Postgraduate Coordinator, these courses may be taken in Semester 1 or 2.

IT requirements

All students are required to have access to the Internet and to a personal computer running Microsoft Windows and Linux. The School provides assistance with installing Linux for students who may not have done so before.

Students should visit the UniSQ minimum computing standards to check that their computers are capable of running the appropriate software and versions of Internet web browsers and to check the minimum and recommended standards for software.

Compliance with these recommendations will ensure students receive the computing help needed if experiencing problems.

Macintosh computers are acceptable but not recommended due to the software used in the courses.

Software is specified on a course-by-course basis and, in some instances, it is provided with the textbook required for the course.

The University has installed a wireless network for students' computers. In order to take advantage of this facility and further enhance their on-campus learning environment, students should consider purchasing a notebook/laptop computer with wireless connectivity. A notebook/laptop may be required for some courses.

Articulation

Upon successful completion of the Graduate Diploma of Information Technology, students may articulate into the Master of Computing with up to a maximum of four units' credit.

Exit points

Students enrolled in this Master's program who wish to exit without completing the program may be awarded the Graduate Diploma of Advanced Computing (GDAC) if they have completed, in accordance with the requirements of the Master of Computing, at least eight units or the Graduate Certificate of Advanced Computing (GCAC) if they have completed, in accordance with the requirements of the Master of Computing, at least four units.

PhD program entry requirements

Students may apply to enrol in UniSQ's Doctor of Philosophy program upon successful completion of the Master of Computing, if they meet the entry requirements. Alternatively, students may be interested in applying for the Doctor of Applied Science .

Credit

Exemptions or credits for previous study other than those listed in the Articulation section will not be permitted in the Master of Computing except for incomplete studies.

Students seeking Skill Accreditation, or other accreditations from professional bodies such as the Australian Computer Society, should seek advice from the professional bodies before they apply for credits or exemptions.

Recommended enrolment pattern - Semester 1 intake

The following enrolment pattern represents possible plans and may be modified to suit individual needs. Students should plan their enrolment making sure that they have fulfilled all requirements as shown in the program structure information. Enrolment requirements must be satisfied before enrolling in a course. If unsure about a suitable enrolment pattern, students should contact the Faculty of Health, Engineering and Sciences.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 1							
Choose two of the following:							
CSC8500 Advanced Relational Database Design and Technology	1	1			1	1	
CSC8503 Principles of Programming Languages	1	1			1	1	
CSC8512 Advanced System Administration	1	1			1	1	
CSC8507 Networking Technologies	1	1			1	1	
Choose two of the following:							
CSC8407	1	1			1	1	
CSC8416 +	1	1			1	1	
CSC8422 Web Data Visualisation	1	1			1	1	
CSC8419	1	1			1	1	
CSC8480 Computing Complementary Studies A	1	1			1	1	Pre-requisite: Students must be enrolled in one of the following Programs: MSCN or MCTN
Year 1, Semester 2							
MSC6001 Research Project I *	1	2			1	2	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
							or have the approval of their program coor dinator
CIS5310 IS/ICT Project Management£		1			1	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
Choose one of the following:							
CSC8513 Network Performance Analysis	1	2			1	2	
CSC8527 Scaling and Connecting Networks	1	2			1	2	
CSC8421	1	2			1	2	
CSC8426 #	1	2			1	2	
CSC8411 Independent Studies in Computing/Mathematics/Statistics B	1	2			1	2	Pre-requisite: Students must be enrolled in one of the following Programs: MSCN or M CTN
CSC8415 Computer Network Programming	1	2			1	2	
CSC8420 Mobile Systems	1	2			1	2	
CSC8490	1	2			1	2	
Year 2, Semester 1							
MSC6002 Research Project II*	2	1			2	1	Pre-requisite: MSC8001 or MSC6001
CSC6200 Advanced ICT Professional Project	2	1			2	1	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
Choose one of the following:							
CSC8407	2	1			2	1	
CSC8416 +	2	1			2	1	
CSC8422 Web Data Visualisation	2	1			2	1	
CSC8419	2	1			2	1	
CSC8480 Computing Complementary Studies A	2	1			2	1	Pre-requisite: Students must be enrolled in one of the following Programs: MSCN or M CTN

Footnotes

+ CSC8416 Advanced Programming in Java will not be offered in S1 2021, replacement course options are: CSC8407, CSC8410, CSC8480, CSC8101, CSC8004, CIS8708, CIS8500.

* Two units

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

\# This course replaces CSC8409, which has been discontinued.

Recommended Enrolment Pattern - Semester 2 intake

The following enrolment pattern represents possible plans and may be modified to suit individual needs. Students should plan their enrolment making sure that they have fulfilled all requirements as shown in the program structure information. Enrolment requirements must be satisfied before enrolling in a course. If unsure about a suitable enrolment pattern, students should contact the Faculty of Health, Engineering and Sciences.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 2							
CIS5310 IS/ICT Project Management£		1			1	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CSC8513 Network Performance Analysis	1	2			1	2	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Choose two of the following:							
CSC8426 #	1	2			1	2	
CSC8411 Independent Studies in Computing/Mathematics/Statistics B	1	2			1	2	Pre-requisite: Students must be enrolled in one of the following Programs: MSCN or M CTN
CSC8415 Computer Network Programming	1	2			1	2	
CSC8420 Mobile Systems	1	2			1	2	
CSC8490	1	2			1	2	
Year 2, Semester 1							
MSC6001 Research Project I *	2	1			2	1	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or M COP or MCTE or MSCN or MCCO or MADS or have the approval of their program coor dinator
CSC6200 Advanced ICT Professional Project	2	1			2	1	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
Choose one of the following::							
CSC8500 Advanced Relational Database Design and Technology	2	1			2	1	
CSC8503 Principles of Programming Languages	2	1			2	1	
CSC8512 Advanced System Administration	2	1			2	1	
CSC8507 Networking Technologies	2	1			2	1	
CSC8407	2	1			2	1	
CSC8416 +	2	1			2	1	
CSC8422 Web Data Visualisation	2	1			2	1	
CSC8419	2	1			2	1	
CSC8480 Computing Complementary Studies A	2	1			2	1	Pre-requisite: Students must be enrolled in one of the following Programs: MSCN or M CTN
Year 2, Semester 2							
MSC6002 Research Project II *	2	2			2	2	Pre-requisite: MSC8001 or MSC6001
Choose one of the following:							
CSC8513 Network Performance Analysis	2	2			2	2	
CSC8527 Scaling and Connecting Networks	2	2			2	2	
Choose one of the following:							
CSC8421	2	2			2	2	
CSC8426 #	2	2			2	2	
CSC8411 Independent Studies in Computing/Mathematics/Statistics B	2	2			2	2	Pre-requisite: Students must be enrolled in one of the following Programs: MSCN or M CTN
CSC8415 Computer Network Programming	2	2			2	2	
CSC8420 Mobile Systems	2	2			2	2	
CSC8490	2	2			2	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

This course replaces CSC8409, which has been discontinued.

* Two units

\+ CSC8416 Advanced Programming in Java will not be offered in S1 2021, replacement course options are: CSC8407, CSC8410, CSC8480, CSC8101, CSC8004, CIS8708, CIS8500.

Master of Computing Technology, Master of Computing Technology (Extended) (MCOTorMCTE) - MCOT, MCTE

CRICOS code (International applicants): Master of Computing Technology (MCOT) 069702M; Master of Computing Technology (Extended) (MCTE) 069703K

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should consider the Master of Information Technology which will be offered from Semester 1, 2015.

	On-campus*	External*
Start:	No new admissions	No new admissions
Campus:	Toowoomba	
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	MCOT: 1.5 years full-time, 3 years part-time, 4.5 years maximum. MCTE: 2 years full-time, 4 years part-time, 6 years maximum.	
Program articulation:	From: Graduate Diploma of Information Technology To: Master of Computing Technology, Master of Computing Technology (Extended)	

Footnotes

* Please contact the Faculty of Health, Engineering and Sciences for more information about articulating into the ; Master of Computing Technology, Master of Computing Technology (Extended)

Contact us

		Current students
		Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Professional accreditation

This program is accredited at Professional level by the Australian Computer Society .

Program aims

The Master of Computing Technology and Master of Computing Technology (Extended) aim to produce graduates coming from any discipline who can work as web information professionals, system and network administrators, database administrators, database designers, IT managers or software engineers.

Program objectives

Successful completion of the program will enable graduates to:

- work as a professional in the Information Technology industry
- acquire specific knowledge and skills in information technology in one or several of the following areas:
  - web information systems
  - software engineering
  - networking, or

  - network commerce

- understand a broad range of topics in information technology
- design, manage and develop software systems and networks in an effective manner
- lead discussions relating to the computing aspects of their workplace
- become better problem-solvers and innovative thinkers, who are able to learn new skills independently and efficiently and consequently to succeed in a competitive professional environment
- identify information needs appropriate to their area of specialisation, and apply the techniques required to gather and interpret such information
- demonstrate skills in the analysis and determination of technological issues at management level
- identify, analyse and solve problems in one or more areas of technology by selecting and using either quantitative or qualitative techniques appropriate to the resolution of technological problems
- satisfy academic admission requirements for membership of relevant professional bodies
- identify, interpret and evaluate major issues in a range of contemporary business information technology areas
- apply acquired knowledge associated with their studies to work environments
- articulate the principal theories, concepts and applications associated with their selected business information technology area(s)
- understand and act in accordance with the ethics of their profession.

Graduates may be able to pursue UniSQ Doctor of Philosophy (PhD) if the program includes 4 units of research (MSC8001 and MSC8002) and achieve a GPA of 5.5 or higher.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

(1) hold a Bachelor's degree from an Australian university or equivalent **and**
(2) have introductory knowledge of computing, consistent with that found in:

- MAT1101 Discrete Mathematics for Computing **and**
- CSC1401 Foundation Programming[£] **and**
- CIS1000 Digital Disruption[£]

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

This knowledge and skills can be acquired by:

- completing these courses as a UniSQ student in an award or non-award program; or
- studying equivalent courses at other universities; or
- work experience, in which case applicants will need to provide suitable evidence of the acquisition of the skills and knowledge.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

Master of Computing Technology (MCOT) consists of 12 units of courses subject to the following restrictions:

- at least six units of Level 8 courses of which at most two may come from outside the following Group 3 CSC courses
- no Level 1 courses will be credited towards the program
- no more than three units of courses may be at Level 2
- no more than two units of courses at Level 2 and 3 may come from outside the following Group 1 and Group 2 CSC courses.

Master of Computing Technology (Extended) (MCTE) consists of 16 units of courses subject to the following restrictions:

- at least six units of Level 8 courses of which at most two may come from outside the following Group 3 CSC courses
- no Level 1 courses will be credited towards the program
- no more than five units of courses may be at Level 2
- no more than three units of courses at Level 2 and 3 may come from outside the following Group 1 and Group 2 CSC courses.

To be eligible for entry to UniSQ Doctor of Philosophy (PhD) program, student must complete the MCTE and

- four units of research work (MSC8001 and MSC8002) are included
- at least four units of Level 8 CSC courses are included
- no Level 1 course is included
- no Level 3 course from outside the following Group 2 CSC courses is included
- no more than four units of courses may be at level 2
- no more than two units of courses at Level 2 may come from outside the following Group 1 CSC courses.

Students with a degree equivalent at least to an Australian Bachelor degree may be eligible for up to 2 block credits in the MCTE. These credits will be awarded in accordance to guidelines set by the Faculty of Health, Engineering and Sciences. No further exemptions or credits for previous study will be permitted except for incomplete studies and those listed in the Articulation section.

Students who want to select courses from outside the following table need approval by the Faculty of Health, Engineering and Sciences.

Group 1 Courses	
Semester 1	**Semester 2**
CSC2402 Object-Oriented Programming in C++	CSC2401 Algorithms and Data Structures
CSC2408 Software Development Tools	CSC2404 Operating Systems
	CSC2406 Web Technology 1
MAT2409 High Performance Numerical Computing	CSC2407
	CSC2408 Software Development Tools
Group 2 Courses	
Semester 1	**Semester 2**
CSC3400 Database Systems[£]	CSC3413 Network Design and Analysis
CSC3403 Comparative Programming Languages	
CSC3407	CSC3427 Switching, Wireless and WAN Technologies
CSC3412 System and Security Administration	
Group 3 Courses	
Semester 1	**Semester 2**
CSC8407	CSC8409
CSC8410 Independent Studies in Computing/Mathematics/Statistics A	CSC8411 Independent Studies in Computing/Mathematics/Statistics B
CSC8419	CSC8420 Mobile Systems
CSC8480 Computing Complementary Studies A	CSC8490
CSC8416	CSC8421
CSC8417	CSC8415 Computer Network Programming
MSC8001 [*#]	MSC8001 [*#]
MSC8002 [*#]	MSC8002 [*#]

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* Enrolment into the courses MSC8001 and MSC8002 are subjected to availability of research projects and approval from project supervisors.

\# Both MSC8001 and MSC8002 are 2 unit courses.

Students may undertake a major in one of the fields shown in the following table by completing the associated courses. A major represents a grouping of related courses. Note that it is not compulsory to undertake a major in this program.

Major	Courses for the major
Software and the Web	CSC2406 Web Technology 1
	CSC2407
	CSC2408 Software Development Tools
	CSC3400 Database Systems£
	CSC3403 Comparative Programming Languages
	CSC3407
	CSC8409
	CSC8416
	CSC8417
	CSC8420 Mobile Systems
	Two level 8 electives subject to the restrictions listed in the Program Structure
	MCTE: Four CSC electives^ subject to the restrictions listed in the Program Structure*#
Networking and System Security	CSC2402 Object-Oriented Programming in C++
	CSC2408 Software Development Tools
	CSC3412 System and Security Administration
	CSC3407
	CSC3413 Network Design and Analysis
	CSC3427 Switching, Wireless and WAN Technologies
	CSC8407
	CSC8421
	CSC8415 Computer Network Programming
	CSC8419
	Two level 8 electives subject to the restrictions listed in the Program Structure
	MCTE: Four CSC electives ^subject to the restrictions listed in the Program Structure*#

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

^ CSC electives are UniSQ courses whose course code start with CSC2xxx, CSC3xxx or CSC8xxx.

* Student must replace the four CSC electives with MSC8001 and MSC8002 if they wish to enrol in UniSQ PhD program after completing MCTE.

Both MSC8001 and MSC8002 are 2 unit courses.

This list of postgraduate courses may vary from time to time as the range of courses offered within the University changes. Individual postgraduate courses which are relevant to the goals of a student and consistent with the purposes of this program may be allowed at the discretion of the Faculty of Health, Engineering and Sciences.

Required time limits

Students have a maximum of 4.5 years to complete MCOT and 6 years to complete MCTE.

IT requirements

All students are required to have access to the Internet and to a personal computer running Microsoft Windows and Linux. The Department provides assistance with installing Linux for students who may not have done so before.

Students should visit the UniSQ minimum computing standards to check that their computers are capable of running the appropriate software and versions of Internet web browsers and to check the minimum and recommended standards for software.

Compliance with these recommendations will ensure students receive the computing help needed if experiencing problems. Macintosh computers are not recommended due to the software used in the courses. Software is specified on a course-by-course basis and, in some instances, it is provided with the textbook required for the course.

The University has installed a wireless network for students' computers. In order to take advantage of this facility and further enhance their on-campus learning environment, students should consider purchasing a notebook/laptop computer with wireless connectivity. A notebook/laptop may be required for some courses.

Articulation

Upon successful completion of the GDTI Graduate Diploma of Information Technology, students may articulate into the Master of Computing Technology (MCOT) with up to a maximum of four credit units exemption from the GDTI to MCOT in accordance with the MCOT requirements.

Upon successful completion of the GDTI Graduate Diploma of Information Technology, students may articulate into the Master of Computing Technology (Extended) (MCTE) with up to a maximum of four credit units exemption from the GDTI to MCTE in accordance with the MCTE requirements.

PhD Program entry requirements

Students wishing to enrol in the UniSQ Doctor of Philosophy (PhD) program must complete the Master of Computing Technology (Extended) which

- includes MSC8001 and MSC8002
- includes at least four level 8 CSC courses
- no Level 1 courses is included
- no Level 3 courses from outside the Group 2 CSC courses are included
- no more than four units of courses at Level 2 are included
- no more than two units of courses at Level 2 included may come from outside the following Group 1 CSC courses
- achieve a GPA of 5.5 or higher.

Exit points

Students enrolled in the MCOT program who wish to exit without completing the program may be awarded

- the Graduate Diploma of Professional Computing (GDPC) if they have completed at least eight units (excluding exemptions and credit transfers); *or*
- the Graduate Certificate of Professional Computing (GCPC) if they have completed at least four units (excluding exemptions and credit transfers) in accordance with the MCOT requirements.

Students enrolled in the MCTE program who wish to exit without completing the program may be awarded

- the Graduate Certificate of Professional Computing (GCPC) if they have completed, in accordance with the MCTE requirements, at least four units (excluding exemptions and credit transfers); *or*
- the Graduate Diploma of Professional Computing (GDPC) if they have completed, in accordance with the MCOT requirements, at least eight units (excluding exemptions and credit transfers); *or*
- MCOT if they completed at least 12 units in accordance with the requirements of MCOT.

Credit

Students with a degree equivalent at least to an Australian Bachelor degree may be eligible for up to 2 block credits of non-CSC level 2 courses in the MCTE. These credits will be awarded in accordance to guidelines set by the Faculty of Health, Engineering and Sciences. No further exemptions or credits for previous study will be permitted except for incomplete studies and those listed in the Articulation section.

No exemptions or credits for previous study will be permitted in MCOT except for incomplete studies and those listed in the Articulation section.

Recommended Enrolment Pattern

Students should select their own courses, using the list provided at Program structure keeping in mind timetable constraints and the requirements to graduate outlined also in the Program Structure. If unsure about a suitable enrolment pattern, students should contact the Faculty of Health, Engineering and Sciences.

Master of Information Technology (MCTN) - MCTN

CRICOS code (International applicants): 083407A

	On-campus	Online
Start:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
Campus:	Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	2 years full-time, 4 years part-time, 6 years maximum	
Program articulation:	From: Graduate Diploma of Information Technology	

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Professional accreditation

This program is accredited at professional level by the Australian Computer Society (ACS) and, through the Seoul Accord, is recognised in other countries. The Seoul Accord is a multi-lateral agreement that allows ACS accreditation to be recognised globally. This means that graduates from this program will have their degree recognised by the other countries who are members of the Accord.

Program aims

The Master of Information Technology aims to provide students from any discipline with the opportunity to enhance their current knowledge or upgrade their professional qualifications. Through the selection of specialisations, students will be able to further develop and extend their skills by choosing from Software development, Network Engineering, or Computing Technology specialisations. This program equips students with the technical expertise and knowledge to become effective IT professionals by applying critical thinking and analytical skills required to adapt to an ever-changing technological environment.

Program objectives

At the completion of this program, graduates should be able to:

- Incorporate concepts of professionalism, cultural awareness and ethical practice within the IT work environment
- Effectively communicate (both written and verbally) and employ appropriate interpersonal skills
- Discover and analyse requirements and devise specification for software systems or secure networks

- Independently or in teams, design and implement IT systems and/or computer networks to support business environments
- Evaluate and apply methods for planning and managing large software or network projects
- Employ appropriate tools and construct technical environments for different computing platforms
- Apply autonomous learning and leadership skills in a technology context.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 09. Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university three year Bachelor degree in any area, or equivalent
  Or
  A minimum of five years' professional work experience equivalent to a qualification at AQF Level 7.
- English Language Proficiency requirements for Category 2.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The program consists of 16 units comprised of:

- two (2) core courses
- two (2) approved courses (postgraduate CIS or CSC coded courses)
- one eight (8) unit specialisation
- four (4) elective course (Postgraduate courses)

Required time limits

Students have a maximum of 6 years to complete the program.

Core courses

Courses	Online	Toowoomba	Springfield
CSC5020 Foundations of Programming[£]	1,2	1,2	
CIS5310 IS/ICT Project Management[£]	1,2,3	1	1

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Software Development specialisation

Courses	Online	Toowoomba	Springfield
CSC5090 Foundations of IT Systems Administration	1,2	1,2	
CSC8710 Software Design and Modelling	2	2	
CSC8720 Programming Algorithms	1	1	
CSC8740 Client-side Web Technology	1	1	1
CSC8450 Relational Database Systems	1	1	
CSC8460 Advanced Programming Languages	2	2	
CSC8470 Server-side Web Technology	2	2	2
CSC6200 Advanced ICT Professional Project	1,2	1,2	

Network Engineering specialisation

Courses	Online	Toowoomba	Springfield
CSC5050 Networking Foundations	1,2	1,2	
CSC8510 Internetworking	1,2	1,2	
CSC8520 Securing Networks	2	2	2
CSC8540 Routing and Switching	1	1	
CSC8360 Wireless Networking	2	2	

CSC8370 Network Security Management	2	2	
CSC8380 Designing Networks	2	2	
CSC6200 Advanced ICT Professional Project	1,2	1,2	

Computing Technology specialisation

Courses	Online	Toowoomba	Springfield
CSC5050 Networking Foundations	1,2	1,2	
CSC5090 Foundations of IT Systems Administration	1,2	1,2	
CSC8520 Securing Networks	2	2	2
CSC8740 Client-side Web Technology	1	1	1
CSC8370 Network Security Management	2	2	
CSC8450 Relational Database Systems	1		
CSC8470 Server-side Web Technology	2	2	2
CSC6200 Advanced ICT Professional Project	1,2	1,2	

Research Courses

Students wishing to pursue a PhD are encouraged to complete the below courses as their electives.

Courses	Online	Toowoomba	Springfield
MSC6001 Research Project I*	1,2	1,2	
MSC6002 Research Project II*	1,2	1,2	

Footnotes

* 2 unit course

Electives/Approved courses

Approved Courses: Students may complete any UniSQ postgraduate level CIS or CSC coded course for their 2 approved courses. Elective Courses: Students may complete any UniSQ postgraduate level course for their 4 elective courses.

IT requirements

All students are required to have access to the Internet and to a personal computer running Microsoft Windows and Linux. The School provides assistance with installing Linux for students who may not have done so before.

Students should visit the UniSQ minimum computing standards to check that their computers are capable of running the appropriate software and versions of Internet web browsers and to check the minimum and recommended standards for software.

Compliance with these recommendations will ensure students receive the computing help needed if experiencing problems. Software is specified on a course-by-course basis and, in some instances, it is provided with the textbook required for the course. The use of Macintosh computers may require the installation of virtualisation software and guest OSes.

Articulation

Upon successful completion of the GDTI Graduate Diploma of Information Technology , students may transfer into the Master of Information Technology (MCTN) with up to a maximum of eight units of credit in accordance

with the MCTN requirements. The GCSC Graduate Certificate of Science (Computing) forms a pathway to the GDTI and the MCTN with credit in accordance to the UniSQ Credit and Exemption Procedure.

Students may apply to enrol in the UniSQ Doctor of Philosophy (PhD) program upon completion of the Master of Information Technology, if MSC6001 and MSC6002 have been completed as part of the program.

Acceptance into the PhD program will depend on the results achieved in the MCTN, and especially the results achieved in the research specialisation.

Exit points

Students enrolled in the MCTN program who wish to exit without completing the program may be awarded:

- the GDTI Graduate Diploma of Information Technology or the GCSC Graduate Certificate of Science (Computing) if they have met the program requirements.

Credit

Candidates for admission to the Master of Information Technology program are eligible to seek credit, in accordance with University regulations. The maximum number of credits permitted will be eight (8) units listed in the Program Structure. Studies used as the basis for claims for credit will normally have been completed within a period of five years prior to the date of application for credit.

Students seeking Skills Accreditation, or other accreditations from professional bodies such as the Australia Computer Society, should seek advice from the professional bodies before they apply for credits or exemptions.

Students who have completed an Information Technology degree at an Australian University, or equivalent, may apply for up to 4 units of credit for level 5000 courses.

Software Development - recommended enrolment pattern - Semester 1 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 1							
CSC5020 Foundations of Programming[£]	1	1			1	1	
CIS5310 IS/ICT Project Management[£]	1	1			1	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CSC5090 Foundations of IT Systems Administration	1	1			1	1	
Approved or Elective course	1	1			1	1	
Year 1, Semester 2							
CSC8710 Software Design and Modelling	1	2			1	2	
Approved or Elective course	1	2			1	2	
Approved or Elective course	1	2			1	2	
Approved or Elective course	1	2			1	2	
Year 2, Semester 1							
CSC8450 Relational Database Systems	2	1			2	1	Pre-requisite: CSC5020
CSC8720 Programming Algorithms	2	1			2	1	Pre-requisite: CSC5020
CSC8740 Client-side Web Technology	2	1			2	1	Pre-requisite: CSC5020 and CSC5090 or Students must be enrolled in the following Program: MCYS
Approved or Elective course	2	1			2	1	
Year 2, Semester 2							
CSC8460 Advanced Programming Languages	2	2			2	2	Pre-requisite: CSC5020
CSC8470 Server-side Web Technology	2	2			2	2	Pre-requisite: CSC8740

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CSC6200 Advanced ICT Professional Project	2	2			2	2	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
Approved or Elective course	2	2			2	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Software Development - recommended enrolment pattern - Semester 2 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 2							
CSC5020 Foundations of Programming£	1	2			1	2	
CIS5310 IS/ICT Project Management£					1	2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CSC5090 Foundations of IT Systems Administration	1	2			1	2	
CSC8710 Software Design and Modelling	1	2			1	2	
Year 2, Semester 1							
CSC8740 Client-side Web Technology	2	1			2	1	Pre-requisite: CSC5020 and CSC5090 or Students must be enrolled in the following Program: MCYS
CSC8450 Relational Database Systems	2	1			2	1	Pre-requisite: CSC5020
CSC8720 Programming Algorithms	2	1			2	1	Pre-requisite: CSC5020
Approved or Elective course	2	1			2	1	
Year 2, Semester 2							
CSC8460 Advanced Programming Languages	2	2			2	2	Pre-requisite: CSC5020
CSC8470 Server-side Web Technology	2	2			2	2	Pre-requisite: CSC8740
Approved or Elective course	2	2			2	2	
Approved or Elective course	2	2			2	2	
Year 3, Semester 1							
CSC6200 Advanced ICT Professional Project	3	1			3	1	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
Approved or Elective course	3	1			3	1	
Approved or Elective course	3	1			3	1	
Approved or Elective course	3	1			3	1	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Network Engineering - recommended enrolment pattern - Semester 1 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 1							
CSC5020 Foundations of Programming£	1	1			1	1	
CIS5310 IS/ICT Project Management£	1	1			1	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CSC5050 Networking Foundations	1	1			1	1	
Approved or Elective course	1	1			1	1	
Year 1, Semester 2							
CSC8510 Internetworking	1	2			1	2	Co-requisite: CSC5050 or Students must be enrolled in the following Program: MCYS
CSC8520 Securing Networks	1	2			1	2	Co-requisite: CSC5050 or CSC8100
Approved or Elective course	1	2			1	2	
Approved or Elective course	1	2			1	2	
Year 2, Semester 1							
CSC8540 Routing and Switching	2	1			2	1	Pre-requisite: CSC8510
Approved or Elective course	2	1			2	1	
Approved or Elective course	2	1			2	1	
Approved or Elective course	2	1			2	1	
Year 2, Semester 2							
CSC8360 Wireless Networking	2	2			2	2	Pre-requisite: CSC8540
CSC8370 Network Security Management	2	2			2	2	Pre-requisite: CSC8520
CSC8380 Designing Networks	2	2			2	2	Pre-requisite: CSC8540
CSC6200 Advanced ICT Professional Project	2	2			2	2	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Network Engineering - recommended enrolment pattern - Semester 2 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 2							
CSC5020 Foundations of Programming£	1	2			1	2	
CSC5050 Networking Foundations	1	2			1	2	
CSC8510 Internetworking	1	2			1	2	Co-requisite: CSC5050 or Students must be enrolled in the following Program: MCYS
CSC8520 Securing Networks	1	2			1	2	Co-requisite: CSC5050 or CSC8100
Year 2, Semester 1							
CIS5310 IS/ICT Project Management£	2	1			2	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CSC8540 Routing and Switching	2	1			2	1	Pre-requisite: CSC8510
Approved or Elective course	2	1			2	1	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Approved or Elective course	2	1			2	1	
Year 2, Semester 2							
CSC8360 Wireless Networking	2	2			2	2	Pre-requisite: CSC8540
CSC8370 Network Security Management	2	2			2	2	Pre-requisite: CSC8520
CSC8380 Designing Networks	2	2			2	2	Pre-requisite: CSC8540
Approved or Elective course	2	2			2	2	
Year 3, Semester 1							
CSC6200 Advanced ICT Professional Project	3	1			3	1	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
Approved or Elective course	3	1			3	1	
Approved or Elective course	3	1			3	1	
Approved or Elective course	3	1			3	1	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Computing Technology - recommended enrolment pattern - Semester 1 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 1							
CSC5020 Foundations of Programming£	1	1			1	1	
CIS5310 IS/ICT Project Management£	1	1			1	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CSC5050 Networking Foundations	1	1			1	1	
CSC5090 Foundations of IT Systems Administration	1	1			1	1	
Year 1, Semester 2							
CSC8520 Securing Networks	1	2			1	2	Co-requisite: CSC5050 or CSC8100
Approved or Elective course	1	2			1	2	
Approved or Elective course	1	2			1	2	
Approved or Elective course	1	2			1	2	
Year 2, Semester 1							
CSC8450 Relational Database Systems	2	1			2	1	Pre-requisite: CSC5020
CSC8740 Client-side Web Technology	2	1			2	1	Pre-requisite: CSC5020 and CSC5090 or Students must be enrolled in the following Program: MCYS
Approved or Elective course	2	1			2	1	
Approved or Elective course	2	1			2	1	
Year 2, Semester 2							
CSC8370 Network Security Management	2	2			2	2	Pre-requisite: CSC8520
CSC8470 Server-side Web Technology	2	2			2	2	Pre-requisite: CSC8740
CSC6200 Advanced ICT Professional Project	2	2			2	2	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
Approved or Elective course	2	2			2	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Computing Technology - recommended enrolment pattern - Semester 2 entry

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 2							
CSC5020 Foundations of Programming£	1	2			1	2	
CSC5050 Networking Foundations	1	2			1	2	
CSC5090 Foundations of IT Systems Administration	1	2			1	2	
CSC8520 Securing Networks	1	2			1	2	Co-requisite: CSC5050 or CSC8100
Year 2, Semester 1							
CIS5310 IS/ICT Project Management£	2	1			2	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CSC8740 Client-side Web Technology	2	1			2	1	Pre-requisite: CSC5020 and CSC5090 or Students must be enrolled in the following Program: MCYS
Approved or Elective course	2	1			2	1	
Approved or Elective course	2	1			2	1	
Year 2, Semester 2							
CSC8370 Network Security Management	2	2			2	2	Pre-requisite: CSC8520
CSC8470 Server-side Web Technology	2	2			2	2	Pre-requisite: CSC8740
Approved or Elective course	2	2			2	2	
Approved or Elective course	2	2			2	2	
Year 3, Semester 1							
CSC8450 Relational Database Systems	3	1			3	1	Pre-requisite: CSC5020
CSC6200 Advanced ICT Professional Project	3	1			3	1	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
Approved or Elective course	3	1			3	1	
Approved or Elective course	3	1			3	1	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Master of Cyber Security (MCYS) - MCyberSec

CRICOS code (International applicants): 0100380

	On-campus	Online
Start:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July) Semester 3 (November)
Campus:	Springfield, Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	2 years full time, up to 4 years part-time	

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Program aims

The Master of Cyber Security is a program that enables students to acquire an advanced level of knowledge and skills, including project experience in Cyber Security. The program will provide students with skills in Cyber Security and broaden this knowledge into contemporary domains including data mining, big data analytics, web and cloud security, Internet of Things, Financial Technology, and digital forensics. The capstone project provides students with skills comparable to industry practice.

Program objectives

Upon successful completion of this program, students should be able to:

- Expertly synthesise and apply advanced Cyber Security specific knowledge, including contemporary and emerging theories and concepts, to a range of business contexts and scenarios;
- Critically examine, analyse, implement and articulate a range of innovative solutions to a variety of real-life Cyber-Security business scenarios;
- Apply specialised cognitive and technical skills to investigate, critically reflect and synthesise complex ideas at an abstract level;
- Effectively work in a project environment by contributing to the successful completion of a Cyber Security project.;
- Employ a range of oral, written and digital literacies to transmit complex Cyber Security knowledge in professional and scholarly contexts to a diverse audience;
- Apply principles of integrity and high calibre ethical behaviour in accordance with academic, industry and professional standards.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 09. Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university bachelor degree, or equivalent.
- English Language Proficiency requirements for Category 2.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The Master of Cyber Security consists of 16 units and has the following structure:

- six foundation core courses, each of one unit
- four advanced core courses, each of one unit
- four advanced specialisation courses, each of one unit; and
- one capstone project course of two units.

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Required time limits

Students have a maximum of 6 years to complete this program.

Core courses

Courses	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Foundation courses			
CIS5100 Professional Skills for Information Systems£	1, 2 ,3	1, 2	1, 2
CIS5310 IS/ICT Project Management£	1, 3	1	1
CSC8100 Cyber Security Architecture	1, 2	1, 2	1, 2
CSC8101 Penetration Testing	1	1	1
CSC8740 Client-side Web Technology	1	1	1
CIS8708 Digital Forensics	1	1	1
Advanced compulsory courses			
CIS8710 Human Factors in Cyber Security£	2, 3	2	2
CIS8711 Cloud Security	2		2
CSC8520 Securing Networks	2	2	2
CSC8370 Network Security Management	2	2	
Capstone project course			
CIS8720 Cyber Security Project*	1,2	1,2	1,2

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* This course is two units.

Business Application specialisation

Courses	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CIS5206 Data Mining for Business Analytics and Cyber Security	1, 2	2	2
CIS8011 Digital Innovation£	2, 3	2	2
CIS8025 Big Data Visualisation	1, 2	1, 2	

CIS8504 Blockchain Fundamentals£	1,3		1

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Governance Risk & Compliance specialisation

Courses	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CIS8707 Cyber Incident Management and Response#	2, 3		2
CIS8709 Cyber Governance and Leadership#	2, 3		2
CIS8712 Information Assurance and Risk Management	1, 2		1, 2
LAW3476 Privacy and Data Protection Law*	2		

Footnotes

Not offered in S3 2022.

* Course is offered in the interim trimester layer, please consult for interim trimester dates.

Technical specialisation

Courses	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CSC8510 Internetworking	1, 2	1, 2	
CSC5090 Foundations of IT Systems Administration	1,2	1,2	
CSC6002 Big Data Management£	2, 3	2	2
CSC6003 Machine Learning£	2, 3	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

IT requirements

For information technology requirements please refer to the minimum computing standards.

Exit points

A student who chooses not to complete or who does not maintain good standing in this program will be permitted to exit with a lesser qualification as set out below, provided that they have met the requirements of that program. The objectives covered within an exit point program are a subset of the overarching Masters Program objectives.

- A student who successfully completes any 4 foundation core courses may, upon application, exit with the Graduate Certificate of Cyber Security qualification.
- A student who successfully completes 8 courses (any 4 foundation core plus any other four courses offered within the Master of Cyber Security) may, upon application, exit with the Graduate Diploma of Cyber Security qualification.

Credit

As the Master Cyber Security is a graduate conversion program, credits approved in the program do not automatically apply to other postgraduate programs offered by UniSQ.

Up to a total of 8 credits may be granted for the 16-unit Master of Cyber Security.

Credits may be granted on the basis of completed equivalent postgraduate study from a recognised university.

Recommended enrolment pattern - semester 1 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS5100 Professional Skills for Information Systems£	1	1			1	1	
CIS5310 IS/ICT Project Management£	1	1			1	1	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CSC8100 Cyber Security Architecture	1	1			1	1	
CSC8740 Client-side Web Technology	1	1			1	1	Pre-requisite: CSC5020 and CSC5090 or Students must be enrolled in the following Program: MCYS
CSC8520 Securing Networks	1	2			1	2	Co-requisite: CSC5050 or CSC8100
CIS8710 Human Factors in Cyber Security£	1	2			1	2,3	Co-requisite: CIS5100
CIS8711 Cloud Security	1	2			1	2	Pre-requisite: CSC8100 and CIS5100 and Students must be enrolled in the following Program: MCYS; OR Pre-requisite or Co-requisite: CSC6002 and Students must be enrolled in the following Program: MADS
CSC8101 Penetration Testing	2	1			2	1	Pre-requisite: CSC8100
CIS8708 Digital Forensics	2	1			2	1	Pre-requisite: CSC8100 or Students must be enrolled in the following Program: MISP
CSC8370 Network Security Management	2	2			2	2	Pre-requisite: CSC8520
Complete for Governance Risk & Compliance specialisation							
CIS8712 Information Assurance and Risk Management	2	1			2	1, 2	
LAW3476 Privacy and Data Protection Law#					1, 2	2	Pre-requisite: (Students enrolled in: BEDU (Legal Studies) or BLAW or LLBP or BALW or BCLW or BZLW: LAW1111) or Alternative ly, students may be enrolled in MCYS
Complete for Business Application specialisation							
CIS8025 Big Data Visualisation	2	1			2	1	Enrolment is not permitted in CIS8025 if CIS8701 has been previously completed.
CIS8504 Blockchain Fundamentals£	2	1			2	1	Enrolment is not permitted in CIS8504 if CIS8702 has been previously completed.
Complete for Technical specialisation							
CSC8510 Internetworking	2	1			2	1	Co-requisite: CSC5050 or Students must be enrolled in the following Program: MCYS
CSC5090 Foundations of IT Systems Administration	2	1			2	1	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Complete for all specialisations							
CIS8720 Cyber Security Project*	2	2			2	2	Pre-requisite: CSC8100 and CIS5100
Complete for Governance Risk & Compliance specialisation							
CIS8707 Cyber Incident Management and Response	1	2			1	2	Pre-requisite: CSC8100
CIS8709 Cyber Governance and Leadership	2	2			2	2	Pre-requisite: CSC8100
Complete for Business Application specialisation							
CIS8011 Digital Innovation£	2	2			2	2	
CIS5206 Data Mining for Business Analytics and Cyber Security	1	2			1	2	
Complete for Technical specialisation							
CSC6002 Big Data Management£	1	2			1	2	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent pro gram and statistical knowledge and skills or students are enrolled in MCYS
CSC6003 Machine Learning£	2	2			2	2	Pre-requisite: (STA2300 or STA1003 or S TA8170 or STA6200) and (CSC1401 or CSC5020) or equivalent program and statis tical knowledge and skills or CSC8002 or CSC6002 for MCYS students

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Course is offered in the interim trimester layer, please consult for interim trimester dates.

* This course is worth 2 units.

Recommended enrolment pattern - semester 2 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS5100 Professional Skills for Information Systems£	1	2			1	2	
CSC8100 Cyber Security Architecture	1	2			1	2	
CSC8520 Securing Networks	1	2			1	2	Co-requisite: CSC5050 or CSC8100
CSC8740 Client-side Web Technology	2	1			2	1	Pre-requisite: CSC5020 and CSC5090 or Students must be enrolled in the following Program: MCYS
CIS5310 IS/ICT Project Management£#	2	1			2	1	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CIS8708 Digital Forensics	2	1			2	1	Pre-requisite: CSC8100 or Students must be enrolled in the following Program: MISP
CSC8101 Penetration Testing	2	1			2	1	Pre-requisite: CSC8100
CSC8370 Network Security Management	2	2			2	2	Pre-requisite: CSC8520
CIS8710 Human Factors in Cyber Security£	2	2			2	2,3	Co-requisite: CIS5100
CIS8711 Cloud Security	2	2			2	2	Pre-requisite: CSC8100 and CIS5100 and Students must be enrolled in the following Program: MCYS; OR Pre-requisite or Co-requisite: CSC6002 and Students must be enrolled in the following Program: MADS

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Governance Risk & Compliance specialisation							
CIS8707 Cyber Incident Management and Response	1	2			1	2	Pre-requisite: CSC8100
CIS8709 Cyber Governance and Leadership	2	2			2	2	Pre-requisite: CSC8100
LAW3476 Privacy and Data Protection Law^					1, 2	2	Pre-requisite: (Students enrolled in: BEDU (Legal Studies) or BLAW or LLBP or BALW or BCLW or BZLW: LAW1111) or Alternative ly, students may be enrolled in MCYS
CIS8712 Information Assurance and Risk Management	3	1			3	1	
Business Application specialisation							
CIS5206 Data Mining for Business Analytics and Cyber Security	1	2			1	2	
CIS8011 Digital Innovation£	2	2			2	2	
CIS8025 Big Data Visualisation	3	1			3	1	Enrolment is not permitted in CIS8025 if CIS8701 has been previously completed.
CIS8504 Blockchain Fundamentals£	3	1			3	1	Enrolment is not permitted in CIS8504 if CIS8702 has been previously completed.
Technical specialisation							
CSC6002 Big Data Management£	1	2			1	2	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent pro gram and statistical knowledge and skills or students are enrolled in MCYS
CSC6003 Machine Learning£	2	2			2	2	Pre-requisite: (STA2300 or STA1003 or S TA8170 or STA6200) and (CSC1401 or CSC5020) or equivalent program and statis tical knowledge and skills or CSC8002 or CSC6002 for MCYS students
CSC8510 Internetworking	3	1			3	1	Co-requisite: CSC5050 or Students must be enrolled in the following Program: MCYS
CSC5090 Foundations of IT Systems Administration	3	1			3	1	
All specialisations							
CIS8720 Cyber Security Project*	3	1			3	1	Pre-requisite: CSC8100 and CIS5100

Footnotes

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CIS8010 is an equivalent course. Students who have completed CIS8010 do not need to complete CIS5310.

^ Course is offered in the interim trimester layer, please consult for interim trimester dates.

* This course is worth 2 units.

Recommended enrolment pattern - semester 3 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS5100 Professional Skills for Information Systems£					1	3	
CIS8710 Human Factors in Cyber Security£					1	3	Co-requisite: CIS5100
CIS5310 IS/ICT Project Management£#					1	3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CSC8740 Client-side Web Technology	2	1			2	1	Pre-requisite: CSC5020 and CSC5090 or Students must be enrolled in the following Program: MCYS
CSC8520 Securing Networks	2	1			2	1	Co-requisite: CSC5050 or CSC8100
CSC8100 Cyber Security Architecture	2	1			2	1	
CSC8101 Penetration Testing	3	1			3	1	Pre-requisite: CSC8100
CIS8708 Digital Forensics	3	1			3	1	Pre-requisite: CSC8100 or Students must be enrolled in the following Program: MISP
Complete for all specialisations							
CSC8370 Network Security Management	2	2			2	2	Pre-requisite: CSC8520
CIS8711 Cloud Security	2	2			2	2	Pre-requisite: CSC8100 and CIS5100 and Students must be enrolled in the following Program: MCYS; OR Pre-requisite or Co-requisite: CSC6002 and Students must be enrolled in the following Program: MADS
Complete for Governance Risk & Compliance specialisation							
CIS8712 Information Assurance and Risk Management	2	1			2	1	
LAW3476 Privacy and Data Protection Law**					1, 2	2	Pre-requisite: (Students enrolled in: BEDU (Legal Studies) or BLAW or LLBP or BALW or BCLW or BZLW: LAW1111) or Alternative ly, students may be enrolled in MCYS
CIS8707 Cyber Incident Management and Response^					2	3	Pre-requisite: CSC8100
CIS8709 Cyber Governance and Leadership^					2	3	Pre-requisite: CSC8100
Complete for Business Application specialisation							
CIS8025 Big Data Visualisation	2	2			2	2	Enrolment is not permitted in CIS8025 if CIS8701 has been previously completed.
CIS5206 Data Mining for Business Analytics and Cyber Security	2	1			2	1	
CIS8011 Digital Innovation£					2	3	
CIS8504 Blockchain Fundamentals£					2	3	Enrolment is not permitted in CIS8504 if CIS8702 has been previously completed.
Complete for Technical specialisation							
CSC6002 Big Data Management£					1	3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent pro gram and statistical knowledge and skills or students are enrolled in MCYS
CSC6003 Machine Learning£	2	2			2	2	Pre-requisite: (STA2300 or STA1003 or S TA8170 or STA6200) and (CSC1401 or CSC5020) or equivalent program and statis tical knowledge and skills or CSC8002 or CSC6002 for MCYS students
CSC8510 Internetworking	2	1			2	1	Co-requisite: CSC5050 or Students must be enrolled in the following Program: MCYS
CSC5090 Foundations of IT Systems Administration	2	2			2	2	
Complete for all specialisations							
CIS8720 Cyber Security Project*	3	1			3	1	Pre-requisite: CSC8100 and CIS5100

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

CIS8010 Information Systems Project Management is an equivalent course. Students who have completed CIS8010 do not need to complete CIS5310
** Course is offered in the interim trimester layer, please consult for interim trimester dates.
^ Not offered S3 2022
* This course is worth 2 units

Master of Data Science (MADS) - MDSc

CRICOS code (International applicants): 0101854

	On-campus	Online
Start:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July) Semester 3 (November)
Campus:	Toowoomba	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Standard duration:	2 years full-time, 4 years part-time	

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Professional accreditation

Provisional accreditation of the Master of Data Science with the Australian Computer Society (ACS) is pending. Once provisional accreditation is approved, students will be eligible for ACS membership and recognition by ACS for certification.

Program aims

With the popularity of social media and the wide spread use of the Internet, enormous amounts of data of various types are generated at all times. The Master of Data Science is designed to provide an opportunity for graduates from all disciplines to gain advanced skills and knowledge in handling data more commonly known as Big Data, as well as producing and interpreting data analytics. The aim of this program is to provide students with a career path in Data Science and an opportunity for advancement in their career.

Program Rules

Students are required to:

- Satisfactorily complete 16 credit points as listed in the standard progression to graduate from the program.
- Satisfactorily complete all courses within 6 years.
- Maintain satisfactory academic achievement throughout the duration of the program, consistent with the UniSQ Student Academic Progress Procedure.
- Meet the Inherent Requirements for the Master of Data Science.

Program objectives

On completion of the program students should be able to:

- Autonomously apply key ICT and data science professional knowledge, technologies and programming skills to critically investigate and analyse contemporary core issues in a global market, and to develop big data analysis and evidence-based decision-making skills.
- Select, adapt and apply specialised quantitative and technical skills to work independently and collaboratively to process and interpret major theories and concepts associated with big data to solve and interpret complex and real-life problems.
- Work under broad direction within a team environment, manage conflict, and take a leadership role for a task within the project.
- Apply and communicate ethical, legal, and professional standards related to big data privacy and building of a security culture, and assess and evaluate risks in order to comply with customer organisational requirements.
- Investigate, critically analyse, evaluate and communicate research findings and problem solutions associated with applied data theories and methodologies to specialist and non-specialist audiences.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 09. Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university three year Bachelor degree in any area, or equivalent OR
- A minimum of five years' professional work experience equivalent to a qualification at AQF Level 7.
- English Language Proficiency requirements for Category 2.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Inherent requirements

There are inherent requirements for this program that must be met in order to complete the program and graduate. Make sure you read and understand the requirements for this program online.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The program consists of 16 units comprising of:

- 12 units of core ICT courses; or
- 12 units of core ICT courses for the Artificial Intelligence and Machine Learning specialisation; or
- 12 units of core ICT courses for the Data Analytics specialisation

- **And either:** 4 units of Research course; or
- 4 units of Research Training; or
- 4 units of elective courses (any Postgraduate courses, subject to pre-requisite satisfaction)

Research

Research dissertation courses as electives

Students wishing to pursue a PhD are encouraged to complete the research dissertation courses below as their electives.

Courses	Online	Toowoomba	Springfield
MSC6001 Research Project I*#	1,2	1,2	
MSC6002 Research Project II*#	1,2	1,2	

Footnotes

* Two-unit course
\# Subject to prior approval by Program Director

Research training courses as electives

Students wishing to pursue a research and development career are encouraged to complete the research training courses below as their elective.

Courses	Online	Toowoomba	Springfield
MSC6003 Industry Based Research Practice I*#	1	1,2	
MSC6004 Industry Based Research Practice II*#	2	2	
OR			
SCI6101 Science in Practice	1,2		

SCI6102 Research Skills	1,2		
SCI6103 Research Fundamentals and Ethics	1,2	1,2	
1 x Elective course			

Footnotes

* Two-unit course

\# Subject to prior approval by Program Director

Required time limits

Students have a maximum of six years to complete this program.

Enterprise Data Science

Courses	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CSC5020 Foundations of Programming£	1,2,3	1,2,3	
CIS5310 IS/ICT Project Management£	1,2,3	1	1
STA6200 Statistics for Quantitative Researchers	1,2	1	
CIS8008 Business Intelligence	1,2	1	1
CSC6001 Introduction to Data Science and Visualisation	1,2	1,2	
CSC6002 Big Data Management£	2,3	2	2
CSC6003 Machine Learning£	2,3	2	
CSC6004 Data Mining	1	1	
STA6100 Multivariate Analysis for High-Dimensional Data	1	1	
CIS8025 Big Data Visualisation	1,2	1,2	1,2
CIS8500 Applied Research for Information System Professionals	1,2	2	1
CSC6200 Advanced ICT Professional Project	1,2	1,2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Artificial Intelligence and Machine Learning Specialisation

Courses	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CSC5020 Foundations of Programming£	1,2,3	1,2,3	
CIS5310 IS/ICT Project Management£	1,2,3	1	1
STA6200 Statistics for Quantitative Researchers	1,2	1	
CSC6201 Deep Learning>	1	1	

CSC6202 Natural Language Processing Techniques and Applications[>]	1	1	
CSC6203 Intelligent Multimedia (Computer Vision, Audio Analysis)[>]	2		
CSC6204 Information Retrieval and Knowledge Management[^]	1,2	1,2	
CSC6002 Big Data Management[£]	2,3	2	2
CSC6003 Machine Learning[£]	2,3	2	
CSC6004 Data Mining	1	1	
STA6100 Multivariate Analysis for High-Dimensional Data	1	1	
CSC6200 Advanced ICT Professional Project	1,2	1,2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

> Commencing 2024

^ First offer S2 2023

Data Analytics Specialisation

Courses	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
CSC5020 Foundations of Programming[£]	1,2,3	1,2,3	
CIS5310 IS/ICT Project Management[£]	1,2,3	1	1
STA6200 Statistics for Quantitative Researchers	1,2	1	
CIS8008 Business Intelligence	1,2	1	1
CSC8450 Relational Database Systems	1	1	
CSC6002 Big Data Management[£]	2,3	2	2
CSC6003 Machine Learning[£]	2,3	2	
CSC6004 Data Mining	1	1	
STA6100 Multivariate Analysis for High-Dimensional Data	1	1	
CIS8711 Cloud Security	2		2
CSC6205 Applied Analytics[>]	2		
CSC6200 Advanced ICT Professional Project	1,2	1,2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

> Commencing 2024

IT requirements

For information technology requirements please refer to the minimum computing standards.

Articulation

Students completing the research project track within the Master of Data Science would be eligible to apply for articulation to the Master of Research or Doctor of Philosophy programs if they meet other requirements for entry into those programs. Students completing the research training track within the Master of Data Science with the appropriate GPA would be eligible to apply for enrolment in the Master of Science (Research) (Advanced) and then could progress (articulate) to a Doctor of Philosophy via that route once they have demonstrated satisfactory progress in a significant research component.

Exit points

Students may exit with the Graduate Diploma of Science (Applied Data Science) on successful completion of at least eight courses within the Master of Data Science if they have satisfied the requirements of a Graduate Diploma of Science (Applied Data Science). Students may exit with the Graduate Diploma of Science (General) if they have completed at least eight courses from the Master of Data Science, including four post-graduate courses coded at 5000 level or above.

Students may exit with the Graduate Certificate of Science (Applied Data Science) on successful completion of at least four courses within the Master of Data Science if they have satisfied the requirements of a GCSC Graduate Certificate of Science (Applied Data Science). Students may exit with the Graduate Certificate of Science (General) if they have completed at least four courses from the Master of Data Science, including at least two courses coded at 5000 level or above.

Credit

Exemptions/credit for all specialisations will be assessed according to UniSQ procedure.

- Up to **four** units of coursework exemptions or credit will be granted if the student has completed courses equivalent to courses offered in the Master of Data Science in either:
  - UniSQ's Graduate Certificate of Science; or
  - A Graduate Diploma or Bachelor’s Honours Degree qualification in a discipline different from the current area of study.
- Up to **eight** units of coursework credit or exemptions will be granted if the student has completed courses equivalent to courses offered in the Master of Data Science in either:
  - UniSQ's Graduate Diploma of Science; or
  - A Graduate Diploma or Bachelor’s Honours Degree qualification in a discipline equivalent to the current area of study.

Notes:

(1) All requests for credits or exemptions need to be sought by the student and approved by the Program Director.
(2) The Program Director will deem to what extent prior studies are equivalent.

Enrolment

Recommended Enrolment Pattern - Full-time (4 Semesters, S1 entry) - Enterprise Data Science

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or 1 approved course) with one or two 2-unit research project

courses (MSC6001 Research Project I and MSC6002 Research Project II) or (MSC6003 Industry Based Research Practice I and MSC6004 Industry Based Research Practice II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1 Semester 1							
CIS8025 Big Data Visualisation	1	1,2			1	1,2	Enrolment is not permitted in CIS8025 if CIS8701 has been previously completed.
CSC5020 Foundations of Programming£	1	1,2,3			1	1,2,3	
CSC6001 Introduction to Data Science and Visualisation	1	1,2			1	1,2	
STA6200 Statistics for Quantitative Researchers	1	1			1	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
Year 1 Semester 2							
CIS5310 IS/ICT Project Management£	1	1			1	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CIS8008 Business Intelligence	1	1			1	1,2	
CSC6002 Big Data Management£	1	2			1	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent program and statistical knowledge and skills or students are enrolled in MCYS
CSC6003 Machine Learning£	1	2			1	2,3	Pre-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020) or equivalent program and statistical knowledge and skills or CSC8002 or CSC6002 for MCYS students
Year 2 Semester 1							
CSC6004 Data Mining	2	1			2	1	Pre-requisite or Co-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020)
STA6100 Multivariate Analysis for High-Dimensional Data	2	1			2	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolment is not permitted in STA6100 if STA3200 has been previously completed
Either the following two courses for the Research Training Track							
SCI6103 Research Fundamentals and Ethics	2	1,2			2	1,2	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
Elective	2	1			2	1	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	2	1,2			2	1,2	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS or have the approval of their program coordinator

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
or							
MSC6003 Industry Based Research Practice I*	2	1,2			2	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MADS
Year 2 Semester 2							
CSC6200 Advanced ICT Professional Project	2	1,2			2	1,2	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
CIS8500 Applied Research for Information System Professionals	2	1,2			2	1,2	Pre-requisite: CIS8001 or CIS8008
Either the following two courses for the Research Training Track							
SCI6101 Science in Practice					2	1,2	
SCI6102 Research Skills					2	1,2	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	2	1,2			2	1,2	Pre-requisite: MSC8001 or MSC6001
or							
MSC6004 Industry Based Research Practice II*	2	2			2	2	Pre-requisite: MSC8003 or MSC6003

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* Two unit course

Recommended Enrolment Pattern - Full-time (4 Semesters, S2 entry) - Enterprise Data Science

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or 1 approved course) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II) or (MSC6003 Industry Based Research Practice I and MSC6004 Industry Based Research Practice II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1 Semester 2							
CSC5020 Foundations of Programming£	1	1,2,3			1	1,2,3	
STA6200 Statistics for Quantitative Researchers	1	1			1	1,2	Enrolment is not permitted in STA6200 if S TA2300 or STA1003 or STA1004 has been previously completed
CIS8008 Business Intelligence	1	1			1	2	
CIS5310 IS/ICT Project Management£	1	1			1	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
Year 2 Semester 1							
CSC6001 Introduction to Data Science and Visualisation	2	1,2			2	1,2	
CIS8025 Big Data Visualisation	2	1,2			2	1,2	Enrolment is not permitted in CIS8025 if CIS8701 has been previously completed.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CSC6004 Data Mining	2	1			2	1	Pre-requisite or Co-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020)
CIS8500 Applied Research for Information System Professionals	2	1,2			2	1,2	Pre-requisite: CIS8001 or CIS8008
Year 2 Semester 2							
CSC6002 Big Data Management£	2	2			2	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent pro gram and statistical knowledge and skills or students are enrolled in MCYS
CSC6003 Machine Learning£	2	2			2	2,3	Pre-requisite: (STA2300 or STA1003 or S TA8170 or STA6200) and (CSC1401 or CSC5020) or equivalent program and statis tical knowledge and skills or CSC8002 or CSC6002 for MCYS students
Either the following two courses for the Research Training Track							
SCI6101 Science in Practice					2	1,2	
SCI6102 Research Skills					2	1,2	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	2	1,2			2	1,2	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or M COP or MCTE or MSCN or MCCO or MADS or have the approval of their program coor dinator
or							
MSC6003 Industry Based Research Practice I*	2	1,2			2	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MADS
Year 3 Semester 1							
STA6100 Multivariate Analysis for High-Dimensional Data	3	1			3	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolmen t is not permitted in STA6100 if STA3200 has been previously completed
CSC6200 Advanced ICT Professional Project	3	1,2			3	1,2	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
Either the following two courses for the Research Training Track							
SCI6103 Research Fundamentals and Ethics	3	1,2			3	1,2	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
Elective	3	1			3	1	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	3	1,2			3	1,2	Pre-requisite: MSC8001 or MSC6001

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
or							
MSC6004 Industry Based Research Practice II*	3	2			3	2	Pre-requisite: MSC8003 or MSC6003

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* Two unit course

Recommended Enrolment Pattern - Part-time (8 Semesters, S1 entry) - Enterprise Data Science

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or 1 approved course) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II) or (MSC6003 Industry Based Research Practice I and MSC6004 Industry Based Research Practice II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
STA6200 Statistics for Quantitative Researchers	1	1			1	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
CSC5020 Foundations of Programming£	1	1,2,3			1	1,2,3	
CSC6001 Introduction to Data Science and Visualisation	1	1,2			1	1,2	
CSC6002 Big Data Management£	1	2			1	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent program and statistical knowledge and skills or students are enrolled in MCYS
Year 2							
CIS8025 Big Data Visualisation	2	1,2			2	1,2	Enrolment is not permitted in CIS8025 if CIS8701 has been previously completed.
CIS8008 Business Intelligence	2	1			2	1,2	
CSC6003 Machine Learning£	2	2			2	2,3	Pre-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020) or equivalent program and statistical knowledge and skills or CSC8002 or CSC6002 for MCYS students
CIS5310 IS/ICT Project Management£	2	1			2	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
Year 3							
STA6100 Multivariate Analysis for High-Dimensional Data	3	1			3	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolment is not permitted in STA6100 if STA3200 has been previously completed
CSC6004 Data Mining	3	1			3	1	Pre-requisite or Co-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CSC6200 Advanced ICT Professional Project	3	1,2			3	1,2	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
CIS8500 Applied Research for Information System Professionals	3	1,2			3	1,2	Pre-requisite: CIS8001 or CIS8008
Year 4							
Either the following two courses for the Research Training Track							
SCI6103 Research Fundamentals and Ethics	4	1,2			4	1,2	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
SCI6101 Science in Practice					4	1,2	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	4	1,2			4	1,2	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or M COP or MCTE or MSCN or MCCO or MADS or have the approval of their program coor dinator
or							
MSC6003 Industry Based Research Practice I*	4	1,2			4	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MADS
Either the following two courses for the Research Training Track							
SCI6102 Research Skills					4	1,2	
Elective	4	2			4	2	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	4	1,2			4	1,2	Pre-requisite: MSC8001 or MSC6001
or							
MSC6004 Industry Based Research Practice II*	4	2			4	2	Pre-requisite: MSC8003 or MSC6003

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

* Two unit course

Recommended Enrolment Pattern - Full-time (4 Semesters, S1 entry) - Artificial Intelligence and Machine Learning

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or 1 approved course) with one or two 2-unit research project

courses (MSC6001 Research Project I and MSC6002 Research Project II) or (MSC6003 Industry Based Research Practice I and MSC6004 Industry Based Research Practice II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1 Semester 1							
STA6200 Statistics for Quantitative Researchers	1	1			1	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
CSC5020 Foundations of Programming£	1	1,2,3			1	1,2,3	
CSC6004 Data Mining	1	1			1	1	Pre-requisite or Co-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020)
STA6100 Multivariate Analysis for High-Dimensional Data	1	1			1	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolment is not permitted in STA6100 if STA3200 has been previously completed
Year 1 Semester 2							
CSC6204 Information Retrieval and Knowledge Management^	1	1,2			1	1,2	Pre-requisite or Co-requisite: CSC5020 and STA6200
CSC6002 Big Data Management£	1	2			1	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent program and statistical knowledge and skills or students are enrolled in MCYS
CSC6003 Machine Learning£	1	2			1	2,3	Pre-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020) or equivalent program and statistical knowledge and skills or CSC8002 or CSC6002 for MCYS students
CIS5310 IS/ICT Project Management£	1	1			1	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
Year 2 Semester 1							
CSC6202 Natural Language Processing Techniques and Applications>	2	1			2	1	
CSC6201 Deep Learning>	2	1			2	1	
Either the following two courses for the Research Training Track							
SCI6103 Research Fundamentals and Ethics	2	1,2			2	1,2	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
Elective	2	1			2	1	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	2	1,2			2	1,2	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS or have the approval of their program coordinator

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
or							
MSC6003 Industry Based Research Practice I*	2	1,2			2	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MADS
Year 2 Semester 2							
CSC6200 Advanced ICT Professional Project	2	1,2			2	1,2	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
CSC6203 Intelligent Multimedia (Computer Vision, Audio Analysis)>					2	2	
Either the following two courses for the Research Training Track							
SCI6101 Science in Practice					2	1,2	
SCI6102 Research Skills					2	1,2	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	2	1,2			2	1,2	Pre-requisite: MSC8001 or MSC6001
or							
MSC6004 Industry Based Research Practice II*	2	2			2	2	Pre-requisite: MSC8003 or MSC6003

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

^ First offer S2 2023

> Commencing 2024

* Two unit course

Recommended Enrolment Pattern - Full-time (4 Semesters, S2 entry) - Artificial Intelligence and Machine Learning

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or 1 approved course) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II) or (MSC6003 Industry Based Research Practice I and MSC6004 Industry Based Research Practice II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1 Semester 2							
CSC5020 Foundations of Programming£	1	1,2,3			1	1,2,3	
STA6200 Statistics for Quantitative Researchers	1	1			1	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
CSC6002 Big Data Management£	1	2			1	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent program and statistical knowledge and skills or students are enrolled in MCYS

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS5310 IS/ICT Project Management£	1	1			1	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
Year 2 Semester 1							
STA6100 Multivariate Analysis for High-Dimensional Data	2	1			2	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolment is not permitted in STA6100 if STA3200 has been previously completed
CSC6004 Data Mining	2	1			2	1	Pre-requisite or Co-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020)
CSC6204 Information Retrieval and Knowledge Management^	2	1,2			2	1,2	Pre-requisite or Co-requisite: CSC5020 and STA6200
CSC6202 Natural Language Processing Techniques and Applications>	2	1			2	1	
Year 2 Semester 2							
CSC6003 Machine Learning£	2	2			2	2,3	Pre-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020) or equivalent program and statistical knowledge and skills or CSC8002 or CSC6002 for MCYS students
CSC6203 Intelligent Multimedia (Computer Vision, Audio Analysis)>					2	2	
Either the following two courses for the Research Training Track							
SCI6101 Science in Practice					2	1,2	
SCI6102 Research Skills					2	1,2	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	2	1,2			2	1,2	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS or have the approval of their program coordinator
or							
MSC6003 Industry Based Research Practice I*	2	1,2			2	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MADS
Year 3 Semester 1							
CSC6201 Deep Learning>	3	1			3	1	
CSC6200 Advanced ICT Professional Project	3	1,2			3	1,2	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
Either the following two courses for the Research Training Track							
SCI6103 Research Fundamentals and Ethics	3	1,2			3	1,2	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
Elective	3	1			3	1	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	3	1,2			3	1,2	Pre-requisite: MSC8001 or MSC6001
or							
MSC6004 Industry Based Research Practice II*	3	2			3	2	Pre-requisite: MSC8003 or MSC6003

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

^ First offer S2 2023

> Commencing 2024

* Two unit course

Recommended Enrolment Pattern - Full-time (4 Semesters, S1 entry) - Data Analytics Specialisation

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or 1 approved course) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II) or (MSC6003 Industry Based Research Practice I and MSC6004 Industry Based Research Practice II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1 Semester 1							
STA6100 Multivariate Analysis for High-Dimensional Data	1	1			1	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolment is not permitted in STA6100 if STA3200 has been previously completed
STA6200 Statistics for Quantitative Researchers	1	1			1	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
CSC5020 Foundations of Programming£	1	1,2,3			1	1,2,3	
CIS8008 Business Intelligence	1	1			1	1,2	
Year 1 Semester 2							
CIS5310 IS/ICT Project Management£	1	1			1	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CSC6002 Big Data Management£	1	2			1	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent program and statistical knowledge and skills or students are enrolled in MCYS
CSC6003 Machine Learning£	1	2			1	2,3	Pre-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020) or equivalent program and statistical knowledge and skills or CSC8002 or CSC6002 for MCYS students
CIS8711 Cloud Security^^#	1	2			1	2	Pre-requisite: CSC8100 and CIS5100 and Students must be enrolled in the following Program: MCYS; OR Pre-requisite or Co-

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
							requisite: CSC6002 and Students must be enrolled in the following Program: MADS
Year 2 Semester 1							
CSC6004 Data Mining	2	1			2	1	Pre-requisite or Co-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020)
CSC8450 Relational Database Systems	2	1			2	1	Pre-requisite: CSC5020
Either the following two courses for the Research Training Track							
SCI6103 Research Fundamentals and Ethics	2	1,2			2	1,2	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
Elective	2	1			2	1	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	2	1,2			2	1,2	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or M COP or MCTE or MSCN or MCCO or MADS or have the approval of their program coor dinator
or							
MSC6003 Industry Based Research Practice I*	2	1,2			2	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MADS
Year 2 Semester 2							
CSC6200 Advanced ICT Professional Project	2	1,2			2	1,2	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
CSC6205 Applied Analytics^					2	2	
Either the following two courses for the Research Training Track							
SCI6101 Science in Practice					2	1,2	
SCI6102 Research Skills					2	1,2	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	2	1,2			2	1,2	Pre-requisite: MSC8001 or MSC6001
or							
MSC6004 Industry Based Research Practice II*	2	2			2	2	Pre-requisite: MSC8003 or MSC6003

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

^^ On-campus at Springfield only

MADS students may receive prerequisites override by the MADS Program Director

* Two unit course

^ Commencing 2024

Recommended Enrolment Pattern - Full-time (4 Semesters, S2 entry) - Data Analytics Specialisation

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or 1 approved course) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II) or (MSC6003 Industry Based Research Practice I and MSC6004 Industry Based Research Practice II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1 Semester 2							
CSC5020 Foundations of Programming£	1	1,2,3			1	1,2,3	
STA6200 Statistics for Quantitative Researchers	1	1			1	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
CSC6002 Big Data Management£	1	2			1	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent program and statistical knowledge and skills or students are enrolled in MCYS
CIS8711 Cloud Security^^#	1	2			1	2	Pre-requisite: CSC8100 and CIS5100 and Students must be enrolled in the following Program: MCYS; OR Pre-requisite or Co-requisite: CSC6002 and Students must be enrolled in the following Program: MADS
Year 2 Semester 1							
CIS8008 Business Intelligence	2	1			2	1,2	
CSC6004 Data Mining	2	1			2	1	Pre-requisite or Co-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020)
CIS5310 IS/ICT Project Management£	2	1			2	1,2,3	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
STA6100 Multivariate Analysis for High-Dimensional Data	2	1			2	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolment is not permitted in STA6100 if STA3200 has been previously completed
Year 2 Semester 2							
CSC6205 Applied Analytics^					2	2	
CSC6003 Machine Learning£	2	2			2	2,3	Pre-requisite: (STA2300 or STA1003 or STA8170 or STA6200) and (CSC1401 or CSC5020) or equivalent program and statistical knowledge and skills or CSC8002 or CSC6002 for MCYS students
Either the following two courses for the Research Training Track							
SCI6101 Science in Practice					2	1,2	
SCI6102 Research Skills					2	1,2	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	2	1,2			2	1,2	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
							or have the approval of their program coor dinator
or							
MSC6003 Industry Based Research Practice I*	2	1,2			2	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MADS
Year 3 Semester 1							
CSC8450 Relational Database Systems	3	1			3	1	Pre-requisite: CSC5020
CSC6200 Advanced ICT Professional Project	3	1,2			3	1,2	Pre-requisite: CIS5310 and Students must have successfully completed 12 units prior to enrolment in this course
Either the following two courses for the Research Training Track							
SCI6103 Research Fundamentals and Ethics	3	1,2			3	1,2	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
Elective	3	1			3	1	
or one of the following courses for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	3	1,2			3	1,2	Pre-requisite: MSC8001 or MSC6001
or							
MSC6004 Industry Based Research Practice II*	3	2			3	2	Pre-requisite: MSC8003 or MSC6003

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

^^ On-campus at Springfield only

MADS students may receive prerequisites override by the MADS Program Director

^ Commencing 2024

* Two unit course

Master of Information Systems (MISP) - MIS

CRICOS code (International applicants): 082461C

	On-campus	Online
Start:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July) Semester 3 (November)
Campus:	Springfield, Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	2 years full-time, up to 6 years part-time	

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Professional accreditation

The Master of Information Systems program is accredited at professional level by the Australian Computer Society (ACS) and, through the Seoul Accord is recognised in other countries. The Seoul Accord is a multi-lateral agreement that allows ACS accreditation to be recognised globally. This means that graduates from this program will have their degree recognised by other countries who are members of the Accord.

Program aims

The Master of Information Systems is a professionally-oriented program that provides university graduates with the opportunity to acquire an information systems qualification. The program comprises 16 courses.

Program objectives

The Master of Information Systems aims to produce graduates who are able to:

(1) Identify and analyse legal, security and privacy issues typically encountered in working as an IT professional.
(2) Apply sound judgment in responding to important ethical, legal , security and privacy issues that would encountered in working as an IT professional.
(3) Plan and evaluate strategies to enhance the chances of leading successful entrepreneurial endeavours and organisational innovation using independent and well-developed judgement.
(4) Critically analyse then synthesise complex scenarios to solve real-world problems related to the use and application of information technology.
(5) Evaluate appropriate research methodologies to help identify, collect, analyse and manage a range of information technology issues.
(6) Communicate professionally and effectively in written and verbal communication to relevant stakeholders.

(7) Critically analyse ethical issues in a range of situations that confront IT professionals when called to make ethically appropriate decisions.
(8) Interact and collaborate effectively with others in teamwork tasks in a range of settings.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 09. Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university Bachelor degree, or equivalent.
- English Language Proficiency requirements for Category 2.

Candidates without an acceptable Bachelor degree or equivalent and who have completed a minimum of five years' professional work experience may be eligible for entry into a Graduate Certificate of Business, and upon completion and achievement of a minimum GPA of 4.0, may apply for entry into the Master of Information Systems.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

Course	Semester of Offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Compulsory Foundation Courses			

CIS5100 Professional Skills for Information Systems[£]	1, 2, 3	1, 2	1, 2
CIS5101 Digital Enterprise[£]	2, 3	2	2
CIS5209 Systems Analysis for IT Professionals[£]	1, 2, 3	1, 2	1, 2
CIS5205 Management of Information Security	2	2	2
CIS5206 Data Mining for Business Analytics and Cyber Security[+]	1, 2	2	2
CIS5308 Management of Information Technology Services	1	1	1
CIS5309 Management of Business Networks and the Cloud	1	1	1
CIS5310 IS/ICT Project Management[£]	1, 2, 3	1	1
Compulsory Advanced Courses			
CIS8001 Technology Entrepreneurship	1, 2	1, 2	1, 2
CIS8008 Business Intelligence	1, 2	1	1
CIS8018 Cyber Security[£]	2, 3	2	2
CIS8500 Applied Research for Information System Professionals	1, 2	2	1
CIS8501 Advanced Information Systems Project	1, 2	1, 2	1, 2
PWE8000 Advanced Professional Work Experience	1, 2	1, 2	1, 2
Elective Advanced Course (Complete three (3) of the following six (6) courses)			
CIS8011 Digital Innovation[£]	2, 3	2	2
CIS8025 Big Data Visualisation	1, 2	1, 2	
CIS8504 Blockchain Fundamentals[£]	1, 3		1
CIS8710 Human Factors in Cyber Security[£]	2, 3		2

CIS8708 Digital Forensics	1		1
CIS8506 Internet of Things*			
CIS8503 Enterprise IT Management	3		

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

\+ This course is available to students who commence the program in S1, 2020 onwards.

* This Course will be available from 2022 onwards.

Program completion requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Required time limits

Students have a maximum of 6 years to complete this program.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Exit points

A student who chooses not to complete or who does not maintain good standing in this program will be permitted to exit with a lesser qualification as set out below, provided that they have met the requirements of that program.

- A student who successfully completes 4 courses that satisfy the requirements of the Graduate Certificate of Business may, upon application, exit with that qualification.
- A student who successfully completes 8 courses that satisfy the requirements of the Graduate Diploma of Business may, upon application, exit with that qualification.

Credit

As the Master of Information Systems is a graduate conversion program, credits approved in the program do not automatically apply to other postgraduate programs offered by UniSQ.

Up to a total of 8 credits may be granted for the 16-course Master of Information Systems. Four units of credit may be granted for an undergraduate degree in an Information Systems or Information Technology related discipline area from a recognised university.

Credits may be granted on the basis of completed equivalent postgraduate study from a recognised university.

Recommended enrolment pattern - semester 1 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS5100 Professional Skills for Information Systems£	1	1			1	1	
CIS5209 Systems Analysis for IT Professionals£	1	1			1	1	Enrolment is not permitted in CIS5209 if CIS5200 or CIS5302 has been previously completed.
CIS5310 IS/ICT Project Management£	1	1			1	1	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS5308 Management of Information Technology Services	1	1			1	1	
CIS5101 Digital Enterprise£	1	2			1	2	Co-requisite: CIS5100 or Students must be enrolled in one of the following Programs: GCBU or GDBZ or MBAD or IMBA or MPPM. Enrolment is not permitted in CIS5101 if CIS8100 has been previously completed.
CIS5205 Management of Information Security	1	2			1	2	Co-requisite: CIS5100
CIS8001 Technology Entrepreneurship	1	2			1	2	Enrolment is not permitted in CIS8001 if CIS8000 has been previously completed.
CIS5206 Data Mining for Business Analytics and Cyber Security+	1	2			1	2	
Elective Advanced Course 1	2	1			2	1	
CIS8500 Applied Research for Information System Professionals#	2	1			2	1	Pre-requisite: CIS8001 or CIS8008
CIS5309 Management of Business Networks and the Cloud	2	1			2	1	Enrolment is not permitted in CIS5309 if CIS8009 has been previously completed.
CIS8008 Business Intelligence^	2	1			2	1	
Elective Advanced Course 2	2	2			2	2	
Elective Advanced Course 3	2	2			2	2	
CIS8018 Cyber Security£	2	2			2	2	
Complete Either CIS8501 or PWE8000							
CIS8501 Advanced Information Systems Project	2	2			2	2	Pre-requisite: CIS8500 Co-requisite: CIS8010 or CIS5310
PWE8000 Advanced Professional Work Experience	2	2			2	2	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

+ This course is available to students who commence the program in S1, 2020 onwards.

CIS8500 Applied Research for Information System Professionals is not available at Toowoomba campus in Semester 1.

^ CIS8008 Business Intelligence is not offered on-campus in Semester 2. Students should enrol in online mode.

Recommended enrolment pattern - semester 2 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS5100 Professional Skills for Information Systems£	1	2			1	2	
CIS5101 Digital Enterprise£	1	2			1	2	Co-requisite: CIS5100 or Students must be enrolled in one of the following Programs: GCBU or GDBZ or MBAD or IMBA or MPPM. Enrolment is not permitted in CIS5101 if CIS8100 has been previously completed.
CIS5205 Management of Information Security	1	2			1	2	Co-requisite: CIS5100
CIS5206 Data Mining for Business Analytics and Cyber Security+	1	2			1	2	
CIS5209 Systems Analysis for IT Professionals£	1	1			1	1	Enrolment is not permitted in CIS5209 if CIS5200 or CIS5302 has been previously completed.
CIS5310 IS/ICT Project Management£	1	1			1	1	Enrolment is not permitted in CIS5310 if CIS8010 has been previously completed.
CIS5308 Management of Information Technology Services	1	1			1	1	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS8001 Technology Entrepreneurship	1	1			1	12	Enrolment is not permitted in CIS8001 if CIS8000 has been previously completed.
CIS8008 Business Intelligence^	2	2			2	2	
Elective Advanced Course 1	2	2			2	2	
CIS8018 Cyber Security£	2	2			2	2	
CIS8500 Applied Research for Information System Professionals	2	2			2	2	Pre-requisite: CIS8001 or CIS8008
Elective Advanced 2	2	1			2	1	
CIS5309 Management of Business Networks and the Cloud	2	1			2	1	Enrolment is not permitted in CIS5309 if CIS8009 has been previously completed.
Elective Advanced 3	2	1			2	1	
Complete Either CIS8501 or PWE8000							
CIS8501 Advanced Information Systems Project	2	1			2	1	Pre-requisite: CIS8500 Co-requisite: CIS8010 or CIS5310
PWE8000 Advanced Professional Work Experience	2	1			2	1	

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

\+ This course is available to students who commence the program in S1, 2020 onwards.

^ CIS8008 Business Intelligence is not offered on-campus in Semester 2. Students should enrol in online mode.

Master of Information Systems (MIST) - MInfoSys

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should consider the MISP Master of Information Systems which will be offered from Semester 1, 2015.

	On-campus	External
Start:	No new admissions	No new admissions
Campus:	Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	1.5 – 2 years full-time, up to 6 years part-time	

Notes:

There are a limited number of courses available in semester 3.

Contact us

Current students

Ask a question
Freecall (within Australia): 1800 007 252
Phone (from outside Australia): +61 7 4631 2285
Email usq.support@usq.edu.au

Professional accreditation

The Master of Information Systems program is accredited at professional level by the Australian Computer Society.

Program aims

The Master of Information Systems is a vocationally and academically oriented program. The Master of Information Systems provides for graduates in programs other than computing to gain skills and knowledge in key areas of computing which relate to their needs and the needs of their profession or industry. It aims to produce graduates who are managers in IT departments.

Program objectives

The Master of Information Systems aims to produce graduates who are able to:

- acquire specific knowledge and skills in information technology which are relevant to their disciplines and careers
- understand a broad range of topics in information technology
- design, manage and develop software systems in an effective manner
- lead discussions relating to the computing aspects of their workplace
- become better problem-solvers and innovative thinkers, who are able to learn new skills independently and efficiently and consequently to succeed in a competitive professional environment
- identify information needs appropriate to their area of specialisation, and apply the techniques required to gather and interpret such information
- demonstrate skills in the analysis and determination of technological issues at management level
- identify, analyse and solve problems in one or more areas of technology by selecting and using either quantitative or qualitative techniques appropriate to the resolution of technological problems
- satisfy academic admission requirements for membership of relevant professional bodies
- identify, interpret and evaluate major issues in a range of contemporary business information technology areas

- apply acquired knowledge associated with the studies to work environments
- articulate the principal theories, concepts and applications associated with the selected business information technology area(s)
- understand and act in accordance with the ethics of their profession.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- hold a bachelor's degree or a three-year diploma from an Australian university or hold a degree of a recognised university or an approved equivalent qualification in an area other than computing **and** have introductory knowledge of computing consistent with that found in the CIS1000 Digital Disruption course, or
- have successfully completed the equivalent of a or (Information Systems) **and** have introductory knowledge of computing consistent with that found in the CIS1000 Digital Disruption course.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

Students enrolled in the Master of Information Systems must complete 12 courses.

Students must complete one of the following three specialisations:

General Information Technology specialisation:

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
All students - 2 compulsory core courses:			
CIS2000 Systems Analysis and Design	1, 3	1	1
CIS2002	1, 3	1	1
Plus any 4 courses from the list below:			
CIS1101 Business Online	2, 3	2	2
CIS2003	2	2	
CIS2005 Principles of Information Security	2	2	2
CIS3001	1	1	
CIS3002 Agile Methods	1	1	1

CIS3003	1	1	1
CIS3007	2	2	
CIS3008 Information Technology Service Management	1	1	
CIS3009 Enterprise Systems in Practice	2, 3	2	2
CIS3010	2	2	
CIS3011 *	2	2	
Plus any 6 courses from the list below:			
CIS8000 Global Information Systems Strategy (Formerly CIS5001)	1, 2	1, 2	1
CIS8004	1	1	
CIS8008 Business Intelligence	1	1	1
CIS8009	1	1	1
CIS8010	2	2	2
CIS8011 Digital Innovation	2, 3	2	2
CIS8018 Cyber Security	2	2	2
CIS8100	1, 3	1	1

Footnotes

* CIS3011 replaces CIS2200 Advanced Office Applications: Access and Word from semester 1, 2011.

Information Systems Development specialisation:

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
All students - 2 compulsory core courses:			
CIS2000 Systems Analysis and Design	1, 3	1	1
CIS2002	1, 3	1	1
Plus any 4 courses from the list below:			
CIS1101 Business Online	2, 3	2	2
CIS2003	2	2	
CIS3001	1	1	
CIS3002 Agile Methods	1	1	1
CIS3003	1	1	1
CIS3007	2	2	
CIS3010	2	2	
Plus any 6 courses from the list below:			
CIS8000 Global Information Systems Strategy (Formerly CIS5001)	1, 2	1, 2	1
CIS8004	1	1	

CIS8008 Business Intelligence	1	1	1
CIS8009	1	1	1
CIS8010	2	2	2
CIS8011 Digital Innovation	2, 3	2	2
CIS8018 Cyber Security	2	2	2
CIS8100	1, 3	1	1

Information Technology Management specialisation:

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
All students - 2 compulsory core courses:			
CIS2000 Systems Analysis and Design	1, 3	1	1
CIS2002	1, 3	1	1
Plus any 4 courses from the list below:			
CIS1101 Business Online	2, 3	2	2
CIS2005 Principles of Information Security	2	2	2
CIS3002 Agile Methods	1	1	1
CIS3003	1	1	1
CIS3008 Information Technology Service Management	1	1	
CIS3009 Enterprise Systems in Practice	2, 3	2	2
CIS3011 *	2	2	
Plus any 6 courses from the list below:			
CIS8000 Global Information Systems Strategy (Formerly CIS5001)	1, 2	1, 2	1
CIS8004	1	1	
CIS8008 Business Intelligence	1	1	1
CIS8009	1	1	1
CIS8010	2	2	2
CIS8011 Digital Innovation	2, 3	2	2
CIS8018 Cyber Security	2	2	2
CIS8100	1, 3	1	1

Footnotes

* CIS3011 replaces CIS2200 Advanced Office Applications: Access and Word from semester 1, 2011.

Program completion requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Required time limits

Students have a maximum of 6 years to complete this program.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Exit points

A student who chooses not to complete or who does not maintain good standing in this program will be permitted to exit with a lesser qualification as set out below, provided that they have met the requirements of that program.

- A student who successfully completes 4 courses that satisfy the requirements of the may, upon application, exit with that qualification.
- A student who successfully completes 8 courses that satisfy the requirements of the may, upon application, exit with that qualification.

Credit

As the Master of Information Systems is a graduate conversion program, credit approved in the program does not automatically apply to other postgraduate programs offered by the UniSQ.

Up to a total of 6 units of credit may be granted for the 12-course Master of Information Systems.

Credit may be granted on the basis of completed equivalent postgraduate study from a recognised university or on the basis of relevant completed undergraduate study. However, the maximum credit which may be granted on the basis of relevant completed undergraduate study will be 4 courses.

Recommended enrolment pattern

Please refer to the program structure. Students requiring assistance should contact the Senior Administration Officer (Student Support).

Master of Information Systems Extended (MISX) - MInfoSysEx

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should consider the MISP Master of Information Systems which will be offered from Semester 1, 2015.

	On-campus	External
Start:	No new admissions	No new admissions
Campus:	Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	2 years full-time, up to 6 years part-time	

Notes:

There are a limited number of courses available in semester 3.

Contact us

Current students

Ask a question
Freecall (within Australia): 1800 007 252
Phone (from outside Australia): +61 7 4631 2285
Email usq.support@usq.edu.au

Professional accreditation

The Master of Information Systems Extended program is accredited at professional level by the Australian Computer Society.

Program aims

The Master of Information Systems Extended is a vocationally and academically oriented program. The Master of Information Systems Extended provides for graduates in programs other than computing to gain skills and knowledge in key areas of computing which relate to their needs and the needs of their profession or industry. It aims to produce graduates who are managers in IT departments.

Program objectives

The Master of Information Systems Extended aims to produce graduates who are able to:

- acquire specific knowledge and skills in information technology which are relevant to their disciplines and careers
- understand a broad range of topics in information technology
- design, manage and develop software systems in an effective manner
- lead discussions relating to the computing aspects of their workplace
- become better problem-solvers and innovative thinkers, who are able to learn new skills independently and efficiently and consequently to succeed in a competitive professional environment
- identify information needs appropriate to their area of specialisation, and apply the techniques required to gather and interpret such information
- demonstrate skills in the analysis and determination of technological issues at management level
- identify, analyse and solve problems in one or more areas of technology by selecting and using either quantitative or qualitative techniques appropriate to the resolution of technological problems
- satisfy academic admission requirements for membership of relevant professional bodies
- identify, interpret and evaluate major issues in a range of contemporary business information technology areas

- apply acquired knowledge associated with the studies to work environments
- articulate the principal theories, concepts and applications associated with the selected business information technology area(s)
- understand and act in accordance with the ethics of their profession.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- hold at least a two-year diploma from an Australian or other recognised university, or an approved equivalent qualification, in an area other than computing; **and** have introductory knowledge of computing consistent with that found in the CIS1000 Digital Disruption course, or
- have successfully completed the equivalent of a or (Information Systems) **and** have introductory knowledge of computing consistent with that found in the CIS1000 Digital Disruption course.

International applicants must have met the University's English language requirements or have completed the University's ELICOS/EAP programs.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

Students enrolled in the Master of Information Systems Extended must complete 16 courses.

Students must complete one of the following three specialisations:

General Information Technology specialisation:

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
All students - 2 compulsory core courses:			
CIS2000 Systems Analysis and Design	1, 3	1	1
CIS2002	1, 3	1	1
Plus any 8 courses from the list below:			
CIS1101 Business Online	2, 3	2	2
CIS2003	2	2	
CIS2005 Principles of Information Security	2	2	2
CIS3001	1	1	

CIS3002 Agile Methods	1	1	1
CIS3003	1	1	1
CIS3007	2	2	
CIS3008 Information Technology Service Management	1	1	
CIS3009 Enterprise Systems in Practice	2, 3	2	2
CIS3010	2	2	
CIS3011 *	2	2	
Plus any 6 courses from the list below:			
CIS8000 Global Information Systems Strategy (Formerly CIS5001)	1, 2	1, 2	1
CIS8004	1	1	
CIS8008 Business Intelligence	1	1	1
CIS8009	1	1	1
CIS8010	2	2	2
CIS8011 Digital Innovation	2, 3	2	2
CIS8018 Cyber Security	2	2	2
CIS8100	1, 3	1	1

Footnotes

* CIS3011 replaces CIS2200 Advanced Office Applications: Access and Word from Semester 1, 2011.

Information Systems Development specialisation:

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Compulsory courses:			
CIS1101 Business Online	2, 3	2	2
CIS2000 Systems Analysis and Design	1, 3	1	1
CIS2002	1, 3	1	1
CIS2003	2	2	
CIS3001	1	1	
CIS3003	1	1	1
CIS3007	2	2	
CIS3010	2	2	
Plus any 2 courses from the list below:			
CIS2005 Principles of Information Security	2	2	2
CIS3002 Agile Methods	1	1	1
CIS3008 Information Technology Service Management	1	1	

CIS3009 Enterprise Systems in Practice	2, 3	2	2
CIS3011 *	2	2	
Plus any 6 courses from the list below:			
CIS8000 Global Information Systems Strategy (Formerly CIS5001)	1, 2	1, 2	1
CIS8004	1	1	
CIS8008 Business Intelligence	1	1	1
CIS8009	1	1	1
CIS8010	2	2	2
CIS8011 Digital Innovation	2, 3	2	2
CIS8018 Cyber Security	2	2	2
CIS8100	1, 3	1	1

Footnotes

* CIS3011 replaces CIS2200 Advanced Office Applications: Access and Word from Semester 1, 2011.

Information Technology Management specialisation:

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Compulsory courses:			
CIS1101 Business Online	2, 3	2	2
CIS2000 Systems Analysis and Design	1, 3	1	1
CIS2002	1, 3	1	1
CIS2005 Principles of Information Security	2	2	2
CIS3003	1	1	1
CIS3008 Information Technology Service Management	1	1	
CIS3009 Enterprise Systems in Practice	2, 3	2	2
CIS3011 *	2	2	
Plus any 2 courses from the list below:			
CIS2003	2	2	
CIS3001	1	1	
CIS3002 Agile Methods	1	1	1
CIS3007	2	2	
CIS3010	2	2	
Plus any 6 courses from the list below:			
CIS8000 Global Information Systems Strategy (Formerly CIS5001)	1, 2	1, 2	1

CIS8004	1	1	1
CIS8008 Business Intelligence	1	1	1
CIS8009	1	1	1
CIS8010	2	2	2
CIS8011 Digital Innovation	2, 3	2	2
CIS8018 Cyber Security	2	2	2
CIS8100	1, 3	1	1

Footnotes

* CIS3011 replaces CIS2200 Advanced Office Applications: Access and Word from Semester 1, 2011.

Required time limits

Students have a maximum of 6 years to complete this program.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Exit points

A student who chooses not to complete or who does not maintain good standing in this program will be permitted to exit with a lesser qualification as set out below, provided that they have met the requirements of that program.

- A student who completes all the requirements of the Master of Information Systems may, upon application, exit with that qualification.
- A student who successfully completes 8 courses that satisfy the requirements of the may, upon application, exit with that qualification.
- A student who successfully completes 4 courses that satisfy the requirements of the may, upon application, exit with that qualification.

Credit

As the Master of Information Systems Extended is a graduate conversion program, credit approved in the program does not automatically apply to other postgraduate programs offered by the UniSQ.

Candidates for the 16-course Master of Information Systems Extended may be eligible for up to a total of 8 units of credit. These may be granted on the basis of completed equivalent postgraduate study from a recognised university or on the basis of relevant completed undergraduate study. However, the maximum credit that will be considered on the basis of undergraduate study is 4 courses.

Recommended enrolment pattern

Please refer to the program structure. Students requiring assistance should contact the Senior Administration Officer (Student Support).

Master of IT Innovation (MATI) - MITInnv

CRICOS code (International applicants): 0100406

	On-campus	Online
Start:	No new admissions	No new admissions
Campus:	Springfield, Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	2 years full-time, up to 6 years part-time	

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Program aims

The Master of IT Innovation is a program that enable students to acquire knowledge and skills, and project management experience in IT innovation. The program will provide students with contemporary skills including data mining, big data analytics, cloud computing, Internet of Things, FinTech, and enterprise planning. The 4-unit capstone project is a full semester course providing students with strong project management skills comparable to industry practice.

Program objectives

On completion of this program, students should be able to:

- Display an advanced and integrated IT Innovation specific knowledge, including contemporary and emerging theories and concepts;
- Critically examine, analyse, and articulate IT Innovation skills to business scenarios;
- Effectively work in a team environment leading and contributing to team projects;
- Employ a range of oral, written and digital literacies to transmit complex knowledge in professional and scholarly contexts to a diverse audience;
- Identify, interpret and evaluate major issues in a range of contemporary business information technology areas;
- Develop innovative solutions to problems using current and emerging technologies;
- Apply principles of integrity and display ethical behaviour in accordance with academic, industry and professional standards.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 09. Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of a three-year bachelor degree in the area of ICT, or equivalent, from an Australian university, **and** a minimum of two years' professional work experience in IT or Management, or equivalent.
- English Language Proficiency requirements for Category 2.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The Master of IT Innovation consists of 16 units and has the following structure:

- four foundation core courses each of one unit
- eight advanced core courses each of one unit, and
- one capstone project course of four units.

Program completion requirements

Courses	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Foundation core courses			
CIS5206 Data Mining for Business Analytics and Cyber Security	2	2	
CIS5209 Systems Analysis for IT Professionals	1, 2, 3	1, 2	1, 2

CIS8004	1, 3	1	
CIS8011 Digital Innovation	2, 3	2	2
Advanced core courses			
CIS8018 Cyber Security	2, 3	2	2
CIS8500 Applied Research for Information System Professionals	1, 2	2	1
CIS8503 Enterprise IT Management	1	1	1
CIS8506 Internet of Things*			
CIS8507 Cloud Computing*			
CIS8504 Blockchain Fundamentals	1, 3		1
CIS8025 Big Data Visualisation	1, 2	1, 2	
Select one of the following two courses			
CIS8501 Advanced Information Systems Project	1, 2	1, 2	1, 2
PWE8000 Advanced Professional Work Experience	1, 2	1, 2	1, 2
Capstone core course			
CIS8204 IT Innovation Project*			

Footnotes

* This course will be available from 2021 onwards.

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Required time limits

Students have a maximum of 6 years to complete this program.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Exit points

A student who chooses not to complete or who does not maintain good standing in this program will be permitted to exit with a lesser qualification as set out below, provided that they have met the requirements of that program*.

- A student who successfully completes 4 foundation core courses may, upon application, exit with the Graduate Certificate of IT Innovation qualification.

- A student who successfully completes 8 courses (4 foundation core plus any other four courses offered within the Master of IT Innovation) may, upon application, exit with the Graduate Diploma of IT Innovation qualification.

* The objectives covered within an exit point program are a subset of the overarching Masters Program objectives.

Credit

As the Master of IT Innovation is a graduate conversion program, credits approved in the program do not automatically apply to other postgraduate programs offered by UniSQ.

Up to a total of 8 credits may be granted for the 16-unit Master of IT Innovation.

Credits may be granted on the basis of completed equivalent postgraduate study from a recognised university.

Recommended enrolment pattern - semester 1 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS8004 ^	1	1			1	1	
CIS8503 Enterprise IT Management	1	1			1	1	
CIS8504 Blockchain Fundamentals	1	1			1	1	Enrolment is not permitted in CIS8504 if CIS8702 has been previously completed.
CIS5209 Systems Analysis for IT Professionals	1	1			1	1	Enrolment is not permitted in CIS5209 if CIS5200 or CIS5302 has been previously completed.
CIS8011 Digital Innovation	1	2			1	2	
CIS8500 Applied Research for Information System Professionals#	1	2			1	2	Pre-requisite: CIS8001 or CIS8008
CIS8025 Big Data Visualisation	1	2			1	2	Enrolment is not permitted in CIS8025 if CIS8701 has been previously completed.
CIS5206 Data Mining for Business Analytics and Cyber Security	1	2			1	2	
CIS8018 Cyber Security	2	1			2	1	
CIS8506 Internet of Things	2	1			2	1	
CIS8507 Cloud Computing	2	1			2	1	
Select one of the following two courses:							
CIS8501 Advanced Information Systems Project	2	1			2	1	Pre-requisite: CIS8500 Co-requisite: CIS8010 or CIS5310
PWE8000 Advanced Professional Work Experience	2	1			2	1	
CIS8204 IT Innovation Project*	2	2			2	2	

Footnotes

^ This course is not available at Springfield campus. Students should enrol in online mode.
# Not available at Toowoomba campus in Semester 1.
* This course is equal to four (4) units.

Recommended enrolment pattern - semester 2 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS8011 Digital Innovation	1	1			1	1	
CIS8500 Applied Research for Information System Professionals#	1	1			1	1	Pre-requisite: CIS8001 or CIS8008

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS8025 Big Data Visualisation	1	1			1	1	Enrolment is not permitted in CIS8025 if CIS8701 has been previously completed.
CIS5206 Data Mining for Business Analytics and Cyber Security	1	1			1	1	
CIS8004 ^	1	2			1	2	
CIS8503 Enterprise IT Management	1	2			1	2	
CIS8504 Blockchain Fundamentals	1	2			1	2	Enrolment is not permitted in CIS8504 if CIS8702 has been previously completed.
CIS5209 Systems Analysis for IT Professionals	1	2			1	2	Enrolment is not permitted in CIS5209 if CIS5200 or CIS5302 has been previously completed.
CIS8018 Cyber Security	2	1			2	1	
CIS8506 Internet of Things	2	1			2	1	
CIS8507 Cloud Computing	2	1			2	1	
Select one of the following two courses							
CIS8501 Advanced Information Systems Project	2	1			2	1	Pre-requisite: CIS8500 Co-requisite: CIS8010 or CIS5310
PWE8000 Advanced Professional Work Experience	2	1			2	1	
CIS8204 IT Innovation Project *	2	2			2	2	

Footnotes

Not available at Toowoomba campus in Semester 1.
^ This course is not available at Springfield campus. Students should enrol in online mode.
* This course is equal to four (4) units.

Recommended enrolment pattern - semester 3 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS8004 ^					1	3	
CIS5209 Systems Analysis for IT Professionals					1	3	Enrolment is not permitted in CIS5209 if CIS5200 or CIS5302 has been previously completed.
CIS8504 Blockchain Fundamentals					1	3	Enrolment is not permitted in CIS8504 if CIS8702 has been previously completed.
CIS8503 Enterprise IT Management	1	1			1	1	
CIS8506 Internet of Things	1	1			1	1	
CIS8507 Cloud Computing	1	1			1	1	
Select one of the following two courses:							
CIS8501 Advanced Information Systems Project	1				1	1	Pre-requisite: CIS8500 Co-requisite: CIS8010 or CIS5310
PWE8000 Advanced Professional Work Experience	1	1			1	1	
CIS8011 Digital Innovation	1	2			1	2	
CIS8500 Applied Research for Information System Professionals #	1	2			1	2	Pre-requisite: CIS8001 or CIS8008
CIS8025 Big Data Visualisation	1	2			1	2	Enrolment is not permitted in CIS8025 if CIS8701 has been previously completed.
CIS5206 Data Mining for Business Analytics and Cyber Security	1	2			1	2	
CIS8018 Cyber Security					2	3	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CIS8204 IT Innovation Project*	2	1			2	1	

Footnotes

^ This course is not available at Springfield campus. Students should enrol in online mode.

Not available at Toowoomba campus in Semester 1

* This course is equal to four (4) units

Master of Science (MSCN) - MSc

QTAC code (Australian and New Zealand applicants): Environment & Sustainability (Toowoomba campus: MSCN04; External: MSCN10); Sport & Exercise (Toowoomba campus: MSCN06; External: MSCN12); Astrophysics (Toowoomba campus: MSCN03; External: MSCN09); Mathematics & Statistics (Toowoomba campus: MSCN05; External: MSCN11); Unspecified (Toowoomba campus: MSCN02; External: MSCN08)

CRICOS code (International applicants): 078596M

	On-campus*†@#	External*^†@	Online*†
Start:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
Campus:	Ipswich, Toowoomba	-	-
Fees:	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
Residential school:		Ipswich (Mandatory)	
Standard duration:	2 years full-time, 4 years part-time		

Notes:

In 2023 the program follows the Semester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Semester calendar.

Footnotes

* Please refer to the Program Structure section for further information on mode of offer for each specialisation.
† The Semester 2 intake for the Mathematics and Statistics specialisation will be subject to the approval of the Program Director.
@ Sport and Exercise specialisation: courses that include a practical skill competency component and residential school will be conducted at UniSQ Ipswich.
\# The Agricultural Science specialisation is available at Toowoomba campus only, commencing in either Semester 1 or Semester 2.
^ The Sport and Exercise specialisation is not available to international overseas students.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Program aims

The aim of the Master of Science program is to produce graduates who are equipped with essential scientific knowledge and an appreciation of the latest literature and technologies.

Agricultural Science specialisation

The Australian agricultural industry contributes substantially to national GDP, as well, is a significant employer across all states/regions. There is a current demand for graduates with knowledge of contemporary agricultural production approaches, particularly in light of declining national water availability and quality. This

specialisation provides graduates with an understanding of both national and global issues associated with agricultural production and sets these in a context of agroecosystem sustainability and broader societal challenges. Graduates from the program will have the capacity to engage across a range of agriculture related disciplines.

Applied Climate Science specialisation

The global climate service industry is estimated to have a significant and growing economic value. In Australia, the need for 'climate smart' professionals working within their chosen industry is growing with hundreds of job opportunities in industry and the public sector organisation. This specialisation is designed to provide graduates with the knowledge and decision-making skills to work as 'climate smart' professionals in many sectors of economic activity including agriculture, food, water, energy, health, and natural resource management industries.

Astrophysics specialisation

This specialisation is designed to provide an opportunity to gain knowledge and skills in astrophysics and develop scientific research skills. The program thus provides professional development in science for those in educational or science communication careers, and a specialist foundation of knowledge and skills for subsequent higher degree research.

Environment and Sustainability specialisation

Modern environment and natural resource management requires the integration of social, environmental and economic research within an interdisciplinary planning and policy framework. It also requires a capacity to handle complexity and uncertainty and the application of different methods of analysis and different approaches to governance and community engagement. This coursework Masters program addresses these needs by providing important core studies and flexibility in choice of elective studies that will enhance their skills and knowledge in the broad discipline of environment and sustainability. Adaptation to climate change and sustainability science are emphasised in global and regional contexts in this specialisation.

Mathematics and Statistics specialisation

This specialisation is designed to provide an opportunity for graduates from other than mathematics and statistics programs to gain advanced skills and knowledge in key areas of mathematics and/or statistics which relate to their career needs and the needs of their profession or industry. The aim of this program is therefore to provide students with a broad advanced education in mathematical and/or statistical techniques and essential problem solving skills which will meet their career needs and assist them in their professional development.

Sport and Exercise specialisation

The Master of Science (Sport and Exercise) specialisation aims to provide students with the opportunity to develop and extend their knowledge and skills relevant to health, fitness and sports performance across the lifespan to an advanced level. Students undertaking the program will usually have qualifications in various related disciplines (although any undergraduate degree is acceptable). The program may be used to meet work or professional requirements, allow for program exemptions, or form part of course requirements in other UniSQ postgraduate programs. The program is designed to meet personal achievement goals or provide for career opportunities within the health, sports and fitness industry such as sports coaches, personal trainers, sports development officers or a range of other roles. It also provides a pathway for students to enter into postgraduate programs such as a doctorate.

Program objectives

On completion of the program graduates should be able to:

- Integrate an advanced understanding of a complex body of expert knowledge in a discipline of science.
- Apply established research theories and principles associated with scholarship and/or professional practice within a relevant science discipline.
- Critically analyse, reflect on, and synthesise complex expert information, problems, concepts and theories applicable to a relevant science discipline.

- Interpret and transmit expert knowledge, skills and ideas, both individually and collaboratively, to specialist and non-specialist audiences.
- Display autonomy, responsibility, adaptability and ethical practise in decision-making and engage in lifelong learning through critical reflection in a range of professional and cultural contexts.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 09. Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university three year Bachelor degree in any area, or equivalent
  or
  equivalent professional work experience, as determined through the Credit and Exemption Procedure.
- English Language Proficiency requirements for Category 3.

As well as the following specialisation-specific requirements:

Master of Science (Mathematics and Statistics)

- Knowledge of mathematics at least equivalent to that found in MAT1102 Algebra and Calculus I.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a student contribution amount, which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

Specialisation	Offering		
	On-campus	**Online**	**External**
Agricultural Science @	Toowoomba *		BIO3318 Plant Microbe Interactions includes a highly recommended residential school ^
Applied Climate Science		Online only	
Astrophysics		Online only	
Environment and Sustainability		Online only	
Mathematics and Statistics #@	Toowoomba	Online	
Sport and Exercise @	Toowoomba or Ipswich		Some courses have mandatory residential schools which will be held at the Ipswich campus.

Footnotes

@ This specialisation is available to international on-campus students.
* The Agricultural Science specialisation is available at Toowoomba campus only, commencing in either Semester 1 or Semester 2.
^ Students enrolled externally must be able to attend the residential school at the Toowoomba campus.
# The Semester 2 intake will be subject to the approval of the Program Director.

The Master of Science offers 6 specialisations. All specialisations consist of 16 units of courses, of which 8 units must be at Level 6 and/or Level 8. Some specialisations contain only core courses, where others allow approved courses.

The Master of Science consists of two tracks within each specialisation:

- **Research Training Track:** This track consists of 4 of the 16 units providing courses (including capstone experience) on research skills and training: SCI6101 Science in Practice; SCI6102 Research Skills; SCI6103 Research Fundamentals and Ethics and STA6200 Statistics for Quantitative Researchers
- **Research Project Track:** This track consists of 4 of the 16 units providing opportunity for students to undertake independent research in two capstone courses: MSC6001 Research Project I and MSC6002 Research Project II. Normally these research project courses are undertaken in the latter stages of candidature. Students must have approval of the Program Director and a Supervisor prior to undertaking this track and is dependent on the availability of supervisors and resources.

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or STA6200 Statistics for Quantitative Researchers) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II).

Master of Science (Mathematics and Statistics): The Research Training Track courses for this specialisation are SCI6101 Science in Practice, SCI6103 Research Fundamentals and Ethics, CSC8411 Independent Studies in Computing/Mathematics/Statistics B, and CSC6002 Big Data Management£. Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101, SCI6103, CSC8411 and/or CSC6002£) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II). Research project courses will normally be undertaken towards the end of the program. The maximum number of courses other than Mathematics/Statistics courses to be credited must not exceed the number of approved courses (3). At the beginning of their candidature students should submit a proposed enrolment pattern to the Program Director for approval. Within this proposal students should have topics and names of any proposed supervisors for the appropriate Level 6 and/or Level 8 courses. A maximum of three approved courses at UniSQ Level 2 or above can be taken from other discipline areas if prior approval has been sought by the student and approved by the Program Director.

Master of Science (Sport and Exercise): Students who have a Bachelor's degree in Sport and Exercise (or similar) may seek up to 4 credits/exemptions and one alternate approved course for the undergraduate level courses.

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

Required time limits

Students have a maximum of 8 years to complete this program.

Agricultural Science specialisation

This specialisation consists of 16 units of courses which are all available in either on-campus, external or online mode.

Semester 1	Semester 2	Either Semester
AGR8001 Food Security in the 21st Century	AGR8002 Emerging Technologies in Agriculture	
CLI8001 Climate Risk	AGR8003 Critical Issues in Agriculture	
AGR2303 Agronomy	BIO3318 Plant Microbe Interactions	
AGR3303 Agricultural Materials and Post-Harvest Technologies	Approved Elective##	
AGR4305 Agricultural Soil Mechanics	BIO8201 Biology Foundations	
SCI3302 Work-Integrated-Learning	REN3302 Sustainable Resource Use	
and **EITHER** the following four courses, which comprise the **Research Training Track:**#		
SCI6103 Research Fundamentals and Ethics	SCI6101 Science in Practice	STA6200 Statistics for Quantitative Researchers
	SCI6102 Research Skills	
OR the following two courses **(subject to prior approval)**, which comprise the **Research Project Track:**		
MSC6001 Research Project I*	MSC6002 Research Project II*	

Footnotes

Recommended Approved Elective is ENV4106, or another Climate or Environment related (Level 4 or above) course.

Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 Research Project I AND MSC6002 Research Project II.

* Two-unit course.

Applied Climate Science specialisation

This specialisation consists of 16 units of courses which are all available in online mode.

Semester 1	Semester 2	Either Semester
CLI8001 Climate Risk	CLI3302 Adaptation to Climate Change	
CLI8204 Global Environmental Systems	CLI8205 Climate and Sustainability	
CLI8002 Climate, Human and Environmental Health and Disaster Management*	CLI8003 Climate, Food, Water and Energy Security*	
Two Approved Specialisation Courses	Two Approved Specialisation Courses	
and **EITHER** the following four courses, which comprise the **Research Training Track:**#		
SCI6103 Research Fundamentals and Ethics	SCI6101 Science in Practice	STA6200 Statistics for Quantitative Researchers
	SCI6102 Research Skills	
OR the following two courses **(subject to prior approval)**, which comprise the **Research Project Track:**		
MSC6001 Research Project I*	MSC6002 Research Project II*	

Footnotes

* Two unit course

\# Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 Research Project I AND MSC6002 Research Project II.

Astrophysics specialisation

This specialisation consists of 16 units of courses which are all available in online mode.

Semester 1	Semester 2	Either Semester
PHY1101 Astronomy 1	PHY1107 Astronomy 2	
PHY8001 Observational Astronomy*	PHY8004 Stellar Astronomy*	
PHY8002 Planetary Science*	PHY8003 Galactic Astronomy and Cosmology*	
Approved Courses x 2 ^		
and **EITHER** the following four courses, which comprise the **Research Training Track:**#		
SCI6103 Research Fundamentals and Ethics	SCI6101 Science in Practice	STA6200 Statistics for Quantitative Researchers
	SCI6102 Research Skills	
OR the following two courses **(subject to prior approval)**, which comprise the **Research Project Track:**		
MSC6001 Research Project I*	MSC6002 Research Project II*	

Footnotes

* Two unit course

^ Approved courses are for students to take complementary studies in physics, mathematics, statistics or computing. The selection of the approved courses is to be made in consultation with, (and be approved by) the Program Director via usq.support@usq.edu.au .

Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 Research Project I AND MSC6002 Research Project II.

Environment and Sustainability specialisation

This specialisation consists of 16 units of courses which are all available in online mode.

Semester 1	Semester 2	Either Semester
REN8101 Environment, Society and Sustainability	REN8202 Conservation for Sustainable Futures	
CLI8204 Global Environmental Systems	REN8203 Sustainability Science	
Approved Course^	CLI8205 Climate and Sustainability	
CLI3301 Climate and Environment Risk Assessment	REN3301 Biodiversity and Conservation	
AGR8001 Food Security in the 21st Century	REN3302 Sustainable Resource Use	
ECO8011 Global Issues in Environmental Management and Sustainability	LAW8717 International Environmental Law**	
and **EITHER** the following four courses, which comprise the **Research Training Track:**#		
SCI6103 Research Fundamentals and Ethics	SCI6101 Science in Practice	STA6200 Statistics for Quantitative Researchers
	SCI6102 Research Skills	
OR the following two courses **(subject to prior approval)**, which comprise the **Research Project Track:**		
MSC6001 Research Project I*	MSC6002 Research Project II*	

Footnotes

^ Students can choose one of the following approved courses: SCI3302 Work-Integrated-Learning, CLI8001 Climate Risk, AGR3304 Soil Science, ENV3105 Hydrology or other courses approved by the Program Director.

** Course is offered in the interim trimester layer, please consult for interim trimester dates.

Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 Research Project I AND MSC6002 Research Project II.

* Two unit course

Mathematics and Statistics specialisation

This specialisation consists of 16 units of courses which are all available in online or on-campus mode. Students may seek approval from the Program Director to enrol in courses not listed in this table.

Semester 1	Semester 2	Either Semester
Core Courses: choose at least 9 Core courses and at most 12 Core Courses. At least 4 of the selected courses from Core Courses **and** Approved Courses must be at Level 6 and/or 8.		
ENM2600 Advanced Engineering Mathematics	MAT2100 Algebra and Calculus II**	STA6200 Statistics for Quantitative Researchers
MAT2409 High Performance Numerical Computing†	MAT2200 Operations Research 1**	
STA2301 Distribution Theory	STA2302 Statistical Inference	
MAT3105 Harmony of Partial Differential Equations+**	MAT3103 Mathematical Modelling and Dynamical Systems+**	

MAT3201 Operations Research 2@**†	MAT3104 Mathematical Modelling in Financial Economics@**	
STA3300 Experimental Design	STA3301 Statistical Models>	
MAT8180 Mathematics/Statistics Complementary Studies A^	MAT8190 Mathematics/Statistics Complementary Studies B^	
CSC8410 Independent Studies in Computing/Mathematics/Statistics A^	CSC2410 Computational Thinking with Python	
STA6100 Multivariate Analysis for High-Dimensional Data**	STA8190 Advanced Statistics B^	
STA8180 Advanced Statistics A^		
Approved Courses: choose at most 3 Approved Courses. At least 4 of the selected courses from Core Courses AND Approved Courses must be at Level 6 and/or 8.		
EDU8326 Learning Difficulties: Mathematics**	MAC8901 Issues in Teaching Mathematics**	SCI3302 Work-Integrated-Learning^^
and **EITHER** the following four courses, which comprise the **Research Training Track:**#		
SCI6103 Research Fundamentals and Ethics	CSC8411 Independent Studies in Computing/Mathematics/Statistics B	
SCI6101 Science in Practice	CSC6002 Big Data Management£	
OR the following two courses **(subject to prior approval)**, which comprise the **Research Project Track:**		
MSC6001 Research Project I*	MSC6002 Research Project II*	

Footnotes

** Recommended courses for students wanting to teach mathematics.
† Unavailable on-campus at Toowoomba in S1 2023
+ The on-campus offering of this course is offered in even years only.
@ The on-campus offering of this course is offered in odd years only.
> Unavailable Semester 2, 2023 Toowoomba On-campus
^ These courses are topics based courses. Student should select a topic from the course specifications and email the examiner prior to enrolment to receive enrolment approval.
^^ Available in S1, S2 and S3
# Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 Research Project I AND MSC6002 Research Project II.
£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024
* Two unit course

Sport and Exercise specialisation

This specialisation consists of 16 units of courses which are all available in either on-campus, external or online mode.

Semester 1	Semester 2	Either Semester
SES8005 Advanced Exercise Physiology	SES8001 Advanced Biomechanics	
SES8003 Advanced Motor Control and Learning	SES8007 Advanced Exercise Assessment and Delivery	
SES8006 Advanced Exercise Programming and Rehabilitation	SES3206 Strength Training and Conditioning	

SES8008 Advanced Anatomy and Physiology	PSY3250 Sport and Exercise Psychology	
One approved elective course from the list below or as approved by the Program Director	SES2203 Physical Activity and Health	
SES1101 Growth, Development and Lifespan	SES1103 Nutrition and Exercise	
and **EITHER** the following four courses, which comprise the **Research Training Track:**#		
SCI6103 Research Fundamentals and Ethics	SCI6101 Science in Practice	STA6200 Statistics for Quantitative Researchers
	SCI6102 Research Skills	
OR the following two courses **(subject to prior approval)**, which comprise the **Research Project Track:**		
MSC6001 Research Project I*	MSC6002 Research Project II*	

Footnotes

Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 Research Project I AND MSC6002 Research Project II.

* Two unit course

Approved Course List

Course	Semester(s) offered Toowoomba	Semester(s) offered Springfield	Semester(s) offered Ipswich	Semester(s) offered External	Semester(s) offered Online
SES8299 Advanced Professional Placement	1		1	1	
MGT8033 Leading Organisational Change	1	2			1,2
MBA8000 Applied Business Research and Ethics#		1			1,2
MGT8038 Leadership Development					1,2
EDU8400 Mentoring and Coaching					1,2
EDU8606 Lifelong Career Development					1
CSC5020 Foundations of Programming£	1,2,3				1,2,3

PUB5001 Introduction to Editing and Publishing					1,3
PCM5000 Practical Editorial Skills					1
HSW8220 Promoting Community Access and Inclusion##					1

Footnotes

The Semester 2 online offering will not be available in 2023.

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

HSW8220 is not available ONL in S1 2023

IT requirements

For information technology requirements please refer to the minimum computing standards.

Other program requirements

To qualify for the award of Master of Science (Environment and Sustainability) students must pass 16 units of courses, at least eight of which are to be Level 6 and/or 8 courses listed in the Recommended Enrolment Pattern section. Students who have completed the same courses or similar courses at UniSQ or elsewhere may replace these with additional approved courses with the approval of the Program Director via usq.support@usq.edu.au.

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: R = Recommended; HR = Highly Recommended; M = Mandatory. To find out more about residential schools, visit the Residential School Schedule to view specific dates for your degree, or visit the Policy and Procedure Library.

Students completing the Sport and Exercise specialisation: for all modes there will be on-campus and practical attendance requirements for some courses. In order to successfully complete the program students must be able to fulfil any designated practical attendance requirements.

Agricultural Science Specialisation

- BIO3318 Plant Microbe Interactions

Sport and Exercise Specialisation

- SES1103 Nutrition and Exercise
- SES3206 Strength Training and Conditioning
- SES8001 Advanced Biomechanics
- SES8003 Advanced Motor Control and Learning
- SES8005 Advanced Exercise Physiology
- SES8006 Advanced Exercise Programming and Rehabilitation
- SES8007 Advanced Exercise Assessment and Delivery
- SES8008 Advanced Anatomy and Physiology

Articulation

Students completing the Master of Science research project track would be eligible to apply for articulation to the Master of Science (Research) or Doctor of Philosophy programs if they meet other requirements for entry into those programs.

Students completing the Master of Science research training track with the appropriate GPA would be eligible to apply for enrolment in the Master of Science (Research) (Advanced) and then could progress (articulate) to a PhD via that route once they have demonstrated satisfactory progress in a significant research component.

Exit points

Students may exit with Graduate Diploma of Science specialisation on successful complete of a least 8 courses within the Master of Science if they have satisfied the requirements of a Graduate Diploma of Science specialisation. Students may exit with the Graduate Diploma of Science (General) if they have completed at least 8 courses from one or more of the specialisations of MSCN, and at least 4 of them are at Level 6 and/or 8.

Students may exit with Graduate Certificate of Science specialisation on successful completion of at least 4 courses within the Master of Science if they have satisfied the requirements of a GCSC Graduate Certificate of Science specialisation. Students may exit with the Graduate Certificate of Science (General) if they have completed at least 4 courses from one or more of the specialisations of Master of Science, and at least 2 of them are at Level 6 and/or 8.

Students in the Sport and Exercise specialisation may exit with the Graduate Certificate of Sport and Exercise on successful completion of four approved units of study or the Graduate Diploma of Science (Sport and Exercise) after eight approved units of study.

Credit

Exemptions/credit for all specialisations will be assessed according to UniSQ procedure.

- Up to **four** units of coursework exemptions or credit will be granted if the student has completed courses equivalent to courses offered in the particular MSCN specialisation in either:
  - UniSQ's Graduate Certificate of Science; or
  - A Bachelor’s degree in a discipline equivalent to the specialisation; or
  - A Graduate Diploma or Bachelor’s Honours Degree qualification in a discipline different from the current area of study.
- Up to **eight** units of coursework credit or exemptions will be granted if the student has completed courses equivalent to courses offered in the particular MSCN specialisation in either:
  - Graduate Diploma of Science or Bachelor's Honours in a discipline equivalent to the specialisation.

Notes:

(1) All requests for credits or exemptions need to be sought by the student and approved by the Program Director.
(2) The Program Director will deem to what extent prior studies are equivalent to the relevant specialisation.

Enrolment

Recommended Enrolment Pattern - Agricultural Science specialisation Full-time (4 Semesters, S1 or S2 entry)

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills,

SCI6103 Research Fundamentals and Ethics and/or STA6200 Statistics for Quantitative Researchers) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II).

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1 Semester 1								
AGR8001 Food Security in the 21st Century	1	1			1	1		
CLI8001 Climate Risk					1	1		
AGR2303 Agronomy	1	1			1	1		
AGR3303 Agricultural Materials and Post-Harvest Technologies	1	1			1	1		
Year 1 Semester 2								
BIO8201 Biology Foundations					1	2		
AGR8003 Critical Issues in Agriculture	1	2			1	2		
BIO3318 Plant Microbe Interactions	1	2	1	2			HR	Pre-requisite: BIO1101 or S tudents must be enrolled in one of the following Program s: BATM or BENV or GCSC or GDSI or MSCN
Approved Elective	1	2			1	2		
Year 2 Semester 1								
AGR4305 Agricultural Soil Mechanics	2	1			2	1		
SCI3302 Work-Integrated-Learning	2	1,2,3	2	1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
Either the following two courses for the Research Training Track								
SCI6103 Research Fundamentals and Ethics #	2	1			2	1		Pre-requisite: Students must be enrolled in one of the fol lowing programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
STA6200 Statistics for Quantitative Researchers <#	2	1			2	1,2		Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
or the following course for the Research Project Track (if approved instead of Research Training Track)								
MSC6001 Research Project I *	2	1,2			2	1,2		Pre-requisite: Students must be enrolled in one of the fol lowing Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS or have the approval of their program co ordinator
Year 2 Semester 2								
AGR8002 Emerging Technologies in Agriculture	2	2			2	2		
REN3302 Sustainable Resource Use	2	2			2	2		

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Either the following two courses for the Research Training Track								
SCI6101 Science in Practice #					2	2		
SCI6102 Research Skills #					2	2		
or the following course for the Research Project Track (if approved instead of Research Training Track)								
MSC6002 Research Project II *	2	1,2			2	1,2		Pre-requisite: MSC8001 or MSC6001

Footnotes

Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 (2 units) and MSC6002 (2 units).

< If STA2300 has been completed previously, contact the Program Director to choose an alternative course to STA6200.

* Two unit course

Recommended Enrolment Pattern - Agricultural Science specialisation Part-time (8 Semesters, S1 or S2 entry)

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or STA6200 Statistics for Quantitative Researchers) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II).

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
AGR8001 Food Security in the 21st Century	1	1			1	1		
CLI8001 Climate Risk					1	1		
BIO8201 Biology Foundations					1	2		
AGR8003 Critical Issues in Agriculture	1	2			1	2		
Year 2								
AGR2303 Agronomy	2	1			2	1		
AGR3303 Agricultural Materials and Post-Harvest Technologies	2	1			2	1		
BIO3318 Plant Microbe Interactions	2	2	2	2			HR	Pre-requisite: BIO1101 or S tudents must be enrolled in one of the following Program s: BATM or BENV or GCSC or GDSI or MSCN
Approved Elective	2	2			2	2		
Year 3								
AGR4305 Agricultural Soil Mechanics	3	1			3	1		
SCI3302 Work-Integrated-Learning	3	1,2,3	3	1,2,3				Pre-requisite: Completion of 2nd year (or 2 years full time study in a relevant area)
AGR8002 Emerging Technologies in Agriculture	3	2			3	2		
REN3302 Sustainable Resource Use	3	2			3	2		

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 4 Semester 1 - either the following two courses for the Research Training Track								
SCI6103 Research Fundamentals and Ethics#	4	1			4	1		Pre-requisite: Students must be enrolled in one of the fol lowing programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
STA6200 Statistics for Quantitative Researchers<#	4	1			4	1,2		Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
or the following course for the Research Project Track (if approved instead of Research Training Track)								
MSC6001 Research Project I*	4	1			4	1		Pre-requisite: Students must be enrolled in one of the fol lowing Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS or have the approval of their program co ordinator
Year 4 Semester 2- either the following two courses for the Research Training Track								
SCI6101 Science in Practice#					4	2		
SCI6102 Research Skills#					4	2		
or the following course for the Research Project Track (if approved instead of Research Training Track)								
MSC6002 Research Project II*	4	2			4	2		Pre-requisite: MSC8001 or MSC6001

Footnotes

Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 (2 units) and MSC6002 (2 units).

< If STA2300 has been completed previously, contact the Program Director to choose an alternative course to STA6200.

* Two unit course

Recommended Enrolment Pattern - Applied Climate Science specialisation Full-time (4 Semesters, S1 entry)

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or STA6200 Statistics for Quantitative Researchers) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1 Semester 1							
CLI8001 Climate Risk					1	1	
CLI8204 Global Environmental Systems					1	1	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Either the following two courses for the Research Training Track							
STA6200 Statistics for Quantitative Researchers<#	1	1			1	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
SCI6103 Research Fundamentals and Ethics#	1	1			1	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	1	1			1	1	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS or have the approval of their program coordinator
Year 1 Semester 2							
CLI3302 Adaptation to Climate Change					1	2	
CLI8205 Climate and Sustainability					1	2	
Approved Specialisation Course+					1	2	
Approved Specialisation Course+					1	2	
Year 2 Semester 1							
CLI8002 Climate, Human and Environmental Health and Disaster Management*					2	1	
Approved Specialisation Course+					2	1	
Approved Specialisation Course+					2	1	
Year 2 Semester 2							
CLI8003 Climate, Food, Water and Energy Security*					2	2	
Either the following two courses for the Research Training Track							
SCI6101 Science in Practice#					2	1,2	
SCI6102 Research Skills#					2	1,2	
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	2	2			2	2	Pre-requisite: MSC8001 or MSC6001

Footnotes

< If STA2300 has been completed previously, contact the Program Director to choose an alternative course to STA6200.

Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 (2 units) and MSC6002 (2 units).

* Two unit course

+ Approved Specialisation Courses — courses complementary to the specialisation approved by the Program Director

Recommended Enrolment Pattern - Applied Climate Science specialisation Part-time (8 Semesters, S1 or S2 entry)

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills,

SCI6103 Research Fundamentals and Ethics and/or STA6200 Statistics for Quantitative Researchers) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
CLI8001 Climate Risk					1	1	
CLI8204 Global Environmental Systems					1	1	
CLI8205 Climate and Sustainability					1	2	
Approved Specialisation Course+					1	2	
Year 2							
Either the following two courses for the Research Training Track							
SCI6103 Research Fundamentals and Ethics#	2	1			2	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
STA6200 Statistics for Quantitative Researchers<#	2	1			2	1,2	Enrolment is not permitted in STA6200 if S TA2300 or STA1003 or STA1004 has been previously completed
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	2	1			2	1	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or M COP or MCTE or MSCN or MCCO or MADS or have the approval of their program coor dinator
CLI3302 Adaptation to Climate Change					2	2	
Approved Specialisation Course+					2	2	
Year 3							
CLI8002 Climate, Human and Environmental Health and Disaster Management*					3	1	
CLI8003 Climate, Food, Water and Energy Security*					3	2	
Year 4							
Approved Specialisation Course+					4	1	
Approved Specialisation Course+					4	1	
Either the following two courses for the Research Training Track							
SCI6101 Science in Practice#					4	2	
SCI6102 Research Skills#					4	2	
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	4	2			4	2	Pre-requisite: MSC8001 or MSC6001

Footnotes

+ Approved Specialisation Courses — courses complementary to the specialisation approved by the Program Director

Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 (2 units) and MSC6002 (2 units).

< If STA2300 has been completed previously, contact the Program Director to choose an alternative course to STA6200.

* Two unit course

Recommended Enrolment Pattern - Astrophysics specialisation Full-time (4 Semesters, S1 or S2 entry)

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or STA6200 Statistics for Quantitative Researchers) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1 Semester 1							
PHY1101 Astronomy 1					1	1	
Approved Course^	1	1			1	1	
PHY8001 Observational Astronomy*					1	1	
Year 1 Semester 2							
PHY1107 Astronomy 2					1	2	
Approved Course^	1	2			1	2	
PHY8004 Stellar Astronomy*					1	2	
Year 2 Semester 1							
PHY8002 Planetary Science*					2	1	
Either the following two courses for the Research Training Track							
STA6200 Statistics for Quantitative Researchers<#	2	1			2	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
SCI6103 Research Fundamentals and Ethics#	2	1			2	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	2	1			2	1	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS or have the approval of their program coordinator
Year 2 Semester 2							
PHY8003 Galactic Astronomy and Cosmology*					2	2	
Either the following two courses for the Research Training Track							
SCI6101 Science in Practice#					2	2	
SCI6102 Research Skills#					2	2	
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	2	2			2	2	Pre-requisite: MSC8001 or MSC6001

Footnotes

^ This approved course is for students to take complementary studies in physics, mathematics, statistics or computing. Choice of the approved courses should be made in consultation with, and be approved by the Program Director via usq.support@usq.edu.au.

* Two unit course

< If STA2300 has been completed previously, contact the Program Director to choose an alternative course to STA6200.

Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 (2 units) and MSC6002 (2 units).

Recommended Enrolment Pattern - Astrophysics specialisation Part-time (8 Semesters, S1 or S2 entry)

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or STA6200 Statistics for Quantitative Researchers) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 1							
PHY1101 Astronomy 1					1	1	
Approved Course^	1	1			1	1	
Year 1, Semester 2							
PHY1107 Astronomy 2					1	2	
Approved Course^	1	2			1	2	
Year 2, Semester 1							
PHY8001 Observational Astronomy*					2	1	
Year 2, Semester 2							
PHY8004 Stellar Astronomy*					2	2	
Year 3, Semester 1							
Either the following two courses for the Research Training Track							
STA6200 Statistics for Quantitative Researchers<#	3	1			3	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
SCI6103 Research Fundamentals and Ethics#	3	1			3	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	3	1			3	1	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS or have the approval of their program coordinator
Year 3, Semester 2							
PHY8003 Galactic Astronomy and Cosmology*					3	2	
Year 4, Semester 1							
PHY8002 Planetary Science*					4	1	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 4, Semester 2							
Either the following two courses for the Research Training Track							
SCI6101 Science in Practice#					4	2	
SCI6102 Research Skills#					4	2	
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	4	2			4	2	Pre-requisite: MSC8001 or MSC6001

Footnotes

^ This approved course is for students to take complementary studies in physics, mathematics, statistics or computing. Choice of the approved courses should be made in consultation with, and be approved by the Program Director via usq.support@usq.edu.au .

* Two unit course

< If STA2300 has been completed previously, contact the Program Director to choose an alternative course to STA6200.

\# Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 (2 units) and MSC6002 (2 units).

Recommended Enrolment Pattern - Environment and Sustainability specialisation Full-time (4 Semesters, S1 or S2 entry)

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or STA6200 Statistics for Quantitative Researchers) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1 Semester 1							
REN8101 Environment, Society and Sustainability					1	1	Enrolment is not permitted in REN8101 if REN1201 has been previously completed.
CLI8204 Global Environmental Systems					1	1	
Either the following two courses for the Research Training Track							
STA6200 Statistics for Quantitative Researchers<#	1	1			1	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
SCI6103 Research Fundamentals and Ethics#	1	1			1	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	1	1			1	1	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS or have the approval of their program coordinator

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1 Semester 2							
REN3301 Biodiversity and Conservation	1	2			1	2	
REN3302 Sustainable Resource Use	1	2			1	2	
REN8202 Conservation for Sustainable Futures					1	2	Enrolment is not permitted in REN8202 if REN2200 has been previously completed.
LAW8717 International Environmental Law**					1	2	Pre-requisite: LAW5111 or Students must be enrolled in one of the following Programs: LLBH or LLMC
Year 2 Semester 1							
CLI3301 Climate and Environment Risk Assessment					2	1	
Approved Course^					2	1	
AGR8001 Food Security in the 21st Century	2	1			2	1	
ECO8011 Global Issues in Environmental Management and Sustainability					2	1	
Year 2 Semester 2							
CLI8205 Climate and Sustainability					2	2	
REN8203 Sustainability Science					2	2	Pre-requisite: REN8101 or REN8202 or REN3302 or REN3301 or CLI8204 or CLI8205 or ECO8011
Either the following two courses for the Research Training Track							
SCI6102 Research Skills#					2	2	
SCI6101 Science in Practice#					2	2	
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	2	2			2	2	Pre-requisite: MSC8001 or MSC6001

Footnotes

< If STA2300 has been completed previously, contact the Program Director to choose an alternative course to STA6200.

Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 (2 units) and MSC6002 (2 units).

* Two unit course

** Course is offered in the interim trimester layer, please consult for interim trimester dates.

^ Students can choose one of the following approved courses: SCI3302 Work-Integrated-Learning, CLI8001 Climate Risk, AGR3304 Soil Science, ENV3105 Hydrology or other approved course approved by the Program Director.

Recommended Enrolment Pattern - Environment and Sustainability specialisation Part-time (8 Semesters, S1 or S2 entry)

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or STA6200 Statistics for Quantitative Researchers) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 1							
REN8101 Environment, Society and Sustainability					1	1	Enrolment is not permitted in REN8101 if REN1201 has been previously completed.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
CLI8204 Global Environmental Systems					1	1	
Year 1, Semester 2							
REN8202 Conservation for Sustainable Futures					1	2	Enrolment is not permitted in REN8202 if REN2200 has been previously completed.
LAW8717 International Environmental Law**					1	2	Pre-requisite: LAW5111 or Students must be enrolled in one of the following Programs: LLBH or LLMC
Year 2, Semester 1							
Either the following two courses for the Research Training Track							
STA6200 Statistics for Quantitative Researchers<#	2	1			2	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
SCI6103 Research Fundamentals and Ethics#	2	1			2	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I*	2	1			2	1	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS or have the approval of their program coordinator
Year 2, Semester 2							
CLI8205 Climate and Sustainability					2	2	
REN3302 Sustainable Resource Use	2	2			2	2	
Year 3, Semester 1							
CLI3301 Climate and Environment Risk Assessment					3	1	
Approved Course^					2	1	
Year 3, Semester 2							
REN3301 Biodiversity and Conservation	3	2			3	2	
REN8203 Sustainability Science					3	2	Pre-requisite: REN8101 or REN8202 or REN3302 or REN3301 or CLI8204 or CLI8205 or ECO8011
Year 4, Semester 1							
AGR8001 Food Security in the 21st Century	4	1			4	1	
ECO8011 Global Issues in Environmental Management and Sustainability					4	1	
Year 4, Semester 2							
Either the following two courses for the Research Training Track							
SCI6102 Research Skills#					4	2	
SCI6101 Science in Practice#					4	2	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II*	4	2			4	2	Pre-requisite: MSC8001 or MSC6001

Footnotes

** Course is offered in the interim trimester layer, please consult for interim trimester dates.

< If STA2300 has been completed previously, contact the Program Director to choose an alternative course to STA6200.

Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 (2 units) and MSC6002 (2 units).

* Two unit course

^ Students can choose one of the following approved courses: SCI3302 Work-Integrated-Learning, CLI8001 Climate Risk, AGR3304 Soil Science, ENV3105 Hydrology or other approved course approved by the Program Director.

Recommended Enrolment Pattern - Mathematics and Statistics specialisation Full-time (4 Semesters, S1 entry)

Students are required to submit a proposed enrolment pattern to the Program Director for approval if it differs from the one below.

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6103 Research Fundamentals and Ethics, CSC8411 Independent Studies in Computing/Mathematics/Statistics B or CSC6002 Big Data Management£) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II).

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1 Semester 1							
STA6200 Statistics for Quantitative Researchers<	1	1			1	1,2	Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
ENM2600 Advanced Engineering Mathematics§	1	1			1	1	Pre-requisite: ENM1600 or Students must be enrolled in one of the following Programs: GCEN or METC or MENS or GDNS or MEPR or MSCN
MAT3201 Operations Research 2+*†	1	1			1	1	Pre-requisite: MAT1200 or MAT2200 or Students must be enrolled in one of the following Programs: MSCN or GDSI
STA6100 Multivariate Analysis for High-Dimensional Data+	1	1			1	1	Pre-requisite or Co-requisite: STA8170 or STA6200 or STA2300 or STA1003 Enrolment is not permitted in STA6100 if STA3200 has been previously completed
Year 1 Semester 2							
STA8190 Advanced Statistics B^					1	2	
CSC2410 Computational Thinking with Python	1	2			1	2	
MAT2200 Operations Research 1+	1	2			1	2	Pre-requisite: MAT1102 or ENM1600 or equivalent or approval from the examiner. Enrolment is not permitted in MAT2200 if MAT1200 has been previously completed.
MAT3103 Mathematical Modelling and Dynamical Systems+@	1	2			1	2	Pre-requisite: MAT2100 or MAT2500 or ENM2600

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 2 Semester 1							
Approved Course	2	1			2	1	
Approved Course	2	1			2	1	
Either the following two courses for the Research Training Track							
SCI6101 Science in Practice#					2	1	
SCI6103 Research Fundamentals and Ethics#	2	1			2	1	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6001 Research Project I++	2	1			2	1	Pre-requisite: Students must be enrolled in one of the following Programs: MCTN or M COP or MCTE or MSCN or MCCO or MADS or have the approval of their program coor dinator
Year 2 Semester 2							
Approved Course	2	2			2	2	
Approved Course	2	2			2	2	
Either the following two courses for the Research Training Track							
CSC8411 Independent Studies in Computing/Mathematics/Statistics B#	2	2			2	2	Pre-requisite: Students must be enrolled in one of the following Programs: MSCN or M CTN
CSC6002 Big Data Management£#	2	2			2	2,3	Pre-requisite or Co-requisite: (CSC1401 or CSC5020) and (STA2300 or STA1003 or STA8170 or STA6200) or equivalent pro gram and statistical knowledge and skills or students are enrolled in MCYS
or the following course for the Research Project Track (if approved instead of Research Training Track)							
MSC6002 Research Project II++	2	2			2	2	Pre-requisite: MSC8001 or MSC6001
Approved Courses: choose four of the following (at least one has to be at Level 6 and/or 8)							
STA2301 Distribution Theory	2	1			2	1	Pre-requisite: (STA2300 or STA1003 or e quivalent) and (MAT1102 or ENM1600)
STA3300 Experimental Design	2	1			2	1	Pre-requisite: STA2300 or STA1003 or equiv alent or approval of examiner
STA8180 Advanced Statistics A^					2	1	
MAT2409 High Performance Numerical Computing†	2	1			2	1	Pre-requisite: (CSC2410 or CSC1401) and (MAT1102 or ENM1600) or Students must be enrolled in one of the following Programs: MPIT or MCOT or MCTE
MAT3105 Harmony of Partial Differential Equations+@	2	1			2	1	Pre-requisite: ENM2600 or MAT2100 or MAT2500
MAT8180 Mathematics/Statistics Complementary Studies A^	2	1			2	1	
STA2302 Statistical Inference					2	2	Pre-requisite: STA2301

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
STA3301 Statistical Models>	2	2			2	2	Pre-requisite: STA3300 or approval of examiner or Students must have completed STA8170 or STA6200 and be enrolled in one of the following Programs: GCSC or GDSI or MSCN or MADS or MSCR or DPHD.
MAT8190 Mathematics/Statistics Complementary Studies B^	2	2			2	2	
MAT3104 Mathematical Modelling in Financial Economics+*	2	2			2	2	Pre-requisite: (STA2300 or STA1003 or equivalent) and (MAT2100 or MAT2500 or ENM2600)

Footnotes

£ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024
< If STA2300 has been completed previously, contact the Program Director to choose an alternative course to STA6200.
§ Unavailable online in S3 2023
+ Recommended courses for students wanting to teach mathematics.
* The on-campus offering of this course is offered in odd years only.
† Unavailable on-campus at Toowoomba in S1 2023
^ This is a topics based course. Students should select a topic from the course specification and email the examiner prior to enrolment to receive enrolment approval.
@ The on-campus offering of this course is offered in even years only.
# Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 (2 units) and MSC6002 (2 units).
++ Two unit course
> Unavailable Semester 2, 2023 Toowoomba On-campus

Recommended Enrolment Pattern - Sport and Exercise specialisation Full-time (4 Semesters) S1 or S2 entry

Students may, with approval of the Program Director and acceptance by an appropriate supervisor, elect to replace two or four units of research training courses (SCI6101 Science in Practice, SCI6102 Research Skills, SCI6103 Research Fundamentals and Ethics and/or STA6200 Statistics for Quantitative Researchers) with one or two 2-unit research project courses (MSC6001 Research Project I and MSC6002 Research Project II).

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1, Semester 1								
SES8005 Advanced Exercise Physiology^	1	1	1	1			M	
SES8003 Advanced Motor Control and Learning^	1	1	1	1			M	
SES8006 Advanced Exercise Programming and Rehabilitation^	1	1	1	1			M	
SES8008 Advanced Anatomy and Physiology^	1	1	1	1			M	
Year 1, Semester 2								
SES8007 Advanced Exercise Assessment and Delivery^	1	2	1	2			M	
PSY3250 Sport and Exercise Psychology					1	2		Pre-requisite: PSY1010 or Students must be enrolled in one of the following programs: GDSI or MSCN
SES8001 Advanced Biomechanics^	1	2	1	2			M	
SES3206 Strength Training and Conditioning^	1	2	1	2			M	Pre-requisite: SES2103 and SES2104

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 2, Semester 1								
One elective course from the approved course list above or as approved by the Program Director								
SES1101 Growth, Development and Lifespan	2	1			2	1		
Either the following two courses for the Research Training Track								
STA6200 Statistics for Quantitative Researchers<#	2	1			2	1,2		Enrolment is not permitted in STA6200 if STA2300 or STA1003 or STA1004 has been previously completed
SCI6103 Research Fundamentals and Ethics#	2	1			2	1		Pre-requisite: Students must be enrolled in one of the fol lowing programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
or the following course for the Research Project Track (if approved instead of Research Training Track)								
MSC6001 Research Project I*	2	1			2	1		Pre-requisite: Students must be enrolled in one of the fol lowing Programs: MCTN or MCOP or MCTE or MSCN or MCCO or MADS or have the approval of their program co ordinator
Year 2, Semester 2								
SES2203 Physical Activity and Health	2	2			2	2		
SES1103 Nutrition and Exercise	2	2	2	2			M	
Either the following two courses for the Research Training Track								
SCI6102 Research Skills#					2	2		
SCI6101 Science in Practice#					2	2		
or the following course for the Research Project Track (if approved instead of Research Training Track)								
MSC6002 Research Project II*	2	2			2	2		Pre-requisite: MSC8001 or MSC6001

Footnotes

^ The on-campus offering of this course is only available at the Ipswich campus.

< If STA2300 has been completed previously, contact the Program Director to choose an alternative course to STA6200.

Instead of the Research Training Track, students may seek permission to do the Research Project Track and replace these courses with MSC6001 (2 units) and MSC6002 (2 units).

* Two unit course

Master of Business Administration and Master of Professional Accounting (MBAC) - MBAMPA

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should contact us directly.

	On-campus	Online
Start:	No new admissions	No new admissions
Campus:	Springfield; Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	2.5 years full-time, up to 8 years part-time	
Program articulation:	From: Graduate Certificate of Business To: Doctor of Business Administration	

Notes:

There are limited courses available in semester 3.

Contact us

Current students
Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Professional accreditation

Master of Professional Accounting component

Graduates of this program will meet the educational entrance requirements of CPA Australia and Chartered Accountants Australia and New Zealand (CAANZ). This provides Associate membership of CPA Australia, eligibility to study the CPA Australia professional exams and eligibility to study the CAANZ professional exams.

Successful completion of the Master of Professional Accounting program can qualify students for exemptions from the Fundamental level (9 papers) of the Association of Chartered Certified Accountants (ACCA) exams.

The Master of Professional Accounting is accredited by the Chartered Institute of Management Accountants (CIMA).

We recommend that graduates in Accounting from an overseas university obtain a qualifications assessment from CPA Australia before applying for admission. In many cases, such graduates may be required to complete only 3 - 4 courses to achieve Associate membership. These can be studied through a Graduate Certificate of Business.

Local recognition (for overseas students):

For overseas candidates seeking membership of their home accounting bodies, full members of CPA Australia and/or CAANZ are usually offered reciprocal membership. This is a fast track to become a qualified accountant in one's home country.

Program aims

The Master of Business Administration and Master of Professional Accounting double degree encapsulates the aims of each program. The Master of Professional Accounting is a professionally-oriented program that provides university graduates with the opportunity to acquire an accounting qualification recognised by the Australian accounting professional bodies. The Master of Business Administration is an advanced academic program for graduates from any discipline who have considerable business experience, and who have a recognised potential for advanced managerial responsibility. This program focuses on those areas of modern management that develop judgement, skills and attitudes that are essential to managerial responsibility

Program objectives

Master of Business Administration

The objectives of the Master of Business Administration are to produce graduates who are able to:

- demonstrate applied knowledge of people, markets, finances, technology and management skills in practice
- identify and solve complex organisational problems, creatively, and practically to increase the effectiveness of management processes
- communicate professionally and effectively in a range of modes to various audiences to achieve targeted outcomes
- demonstrate an understanding of organisations in the global environment and the impact of these on organisational systems
- evaluate, synthesise and critically review theoretical frameworks with other evidence to provide solutions to real-world problems
- demonstrate reflective practice and apply learning to different contexts
- demonstrate an understanding of the impact of interpersonal communication on specific management processes and outcomes using relevant theories and concepts
- comprehend and address complex ethical dilemmas
- demonstrate an understanding of complex sustainable dilemmas and the need for responsible leadership
- demonstrate an understanding of the skills required to work in non-traditional and virtual working environments
- demonstrate the skills required for leadership of other, working in teams and working with people from diverse cultural and professional backgrounds in both virtual and real-time spaces
- communicate professionally and effectively in both oral and written communication to various audiences to achieve targeted outcomes.

Master of Professional Accounting

The objectives of the Master of Professional Accounting are to produce graduates who are able to:

- prepare and analyse financial and management accounting reports
- audit financial records and statements and produce audit reports
- prepare taxation returns and advise clients on taxation issues
- comprehend and apply accounting theory to current accounting developments and problems
- understand and apply the principles of business finance and investment evaluation
- comprehend the legal framework within which businesses operate and apply this knowledge in addressing commercial legal problems.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university Bachelor degree in the area of business and a minimum of two years' professional work experience in business, or equivalent.
- English Language Proficiency requirements for Category 3.

For candidates who have a Bachelor degree or equivalent (AQF level 7) in a non-related discipline from a recognised institution, with two years' professional work experience in business, UniSQ's Graduate Certificate of Business provides an articulation pathway into the Master of Business Administration and Master of Professional Accounting double degree. Upon completion and achievement of a minimum GPA of 4.0, they will be eligible for entry into the Master of Business Administration and Master of Professional Accounting double degree.

Candidates with a Graduate Certificate (AQF 8) or higher qualification in any discipline, with two years' professional work experience in business may apply for entry into the Master of Business Administration and Master of Professional Accounting double degree. Eligibility for entry will be determined on a case-by-case basis.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program completion requirements

Course	Semester of offer Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
ACC5000	1, 2, 3	1, 2	2
ACC5200	1, 2	1, 2	1, 2
ACC5213	1, 2	1	2
ACC5215	1, 2	2	1
ACC5216	1, 2	1	2
ACC5218	1, 2	2	1
ACC8000	1, 2	1, 2	1, 2
ECO5000 Managerial Economics	1, 2	2	2
FIN5003	1, 3	1	1
FIN8201 Corporate Finance	1, 3	1	1
LAW5230 Taxation Law	1, 2, 3	1	1

LAW8500	1, 2		
MBA8000 Applied Business Research and Ethics	1, 2		1
MGT5000 Managing Organisational Behaviour	1, 3		1
MGT8002	1, 2, 3		2
MGT8022 Project-Based Management	2, 3		2
MGT8033 Leading Organisational Change	1, 2		2
MKT5000	2, 3	2	2
Students must complete two (2) of the following courses:			
ACC8105 Financial Statement Analysis	1, 2	1	1
ACC8801	1, 2	2	2
ACC8802	1, 2	2	2

Required time limits

Students have a maximum of 8 years to complete this program.

Electives/Approved courses

Students must complete two elective courses. These courses must be 5000 or 8000 level courses which may be chosen from any Business and Commerce coursework Masters program. It is recommended that students confirm their choice of elective courses with the Faculty of Business, Education, Law and Arts.

Other program requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure

Articulation

Students who complete the Master of Business Administration component are eligible to apply for the Doctor of Business Administration, provided that they meet all of the admission requirements for that program. Please refer to the Doctor of Business Administration for further information, or contact the Faculty of Business, Education, Law and Arts.

Exit points

A student who chooses not to complete or who does not maintain good standing in the Master of Business Administration and Master of Professional Accounting double degree may be permitted to exit with a lesser qualification as set out below, provided that they have met the requirements of that program.

- A student who successfully completes all twelve courses for the Master of Business Administration, may upon application exit with that degree. A student who has successfully completed all the requirements of at least one specialisation may have one specialisation shown on their testamur.
- A student who successfully completes eight units may, upon application, exit with a Graduate Diploma of Business. A student who has successfully completed all the requirements of at least one specialisation may have one specialisation shown on their testamur
- A student who successfully completes all requirements for the Graduate Certificate of Business may, upon application, exit with that qualification. A student who has successfully completed all the requirements of a four-unit specialisation may have that specialisation shown on their testamur.

Credit

Credit may be granted on the basis of equivalent courses undertaken at postgraduate level. A double degree is required to meet the requirements of each degree studied with a maximum of 50 percent credit for each program studied individually.

The Master of Business Administration and Master of Professional Accounting double degree meets the requirements of the 12-unit Master of Business Administration and the 16-unit Master of Professional Accounting. The Master of Business Administration and Master of Professional Accounting requires 20 units to be completed with cross credit of 4 units from the Master of Business Administration and 4 units from the Master of Professional Accounting.

Credit may be granted on the basis of completed equivalent postgraduate study from a recognised university. In order for credit to be granted, the claim must meet the following specific requirements:

- the course was passed within five years prior to the application (courses up to 10 years old may be considered if evidence is provided that the applicant has been employed in that field)
- the course passed is equivalent in objectives, content and weightings to a course prescribed in the Master of Business Administration, or alternatively, the course is suitable as an elective
- the maximum granted is no greater than six units of credit for the Master of Business Administration
- the maximum granted is no greater than six units of credit for the Master of Professional Accounting
- credit approved in this program will not automatically apply to other programs offered by UniSQ.

Note: Where credit is granted, maximum and minimum duration will be adjusted in the same proportion as the credit, for example, where the maximum of 50 percent credit is granted, maximum and minimum duration will be reduced by one-half.

Semester 1 intake - Toowoomba, Springfield and Online

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ACC5000	1	1, 2				1, 2, 3	
FIN5003	1	1				1, 3	
MGT5000 Managing Organisational Behaviour	1	1				1, 3	
FIN8201 Corporate Finance	1	1				1, 3	
ACC5200	1	1, 2				1, 2	
LAW8500					1	1, 2	
ACC8000	1	1, 2				1, 2	
MBA8000 Applied Business Research and Ethics					1	1, 2	
ACC5215	2	1, 2				1, 2	
ACC5216	2	1, 2				1, 2	
ECO5000 Managerial Economics	2	2				1, 2	
MGT8022 Project-Based Management	2	2				2, 3	
MKT5000	2	2				2, 3	
ACC5213	2	1, 2				1, 2	
Selective	2	2					
ACC5218	2	1, 2				1, 2	
MGT8033 Leading Organisational Change		2			3	1, 2	
LAW5230 Taxation Law	3	1				1, 2, 3	
Selective	3	1					
MGT8002	3	1, 2			3	1, 2, 3	

Semester 2 intake - Toowoomba, Springfield and Online

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ACC5000	1	1, 2				1, 2, 3	
ECO5000 Managerial Economics	1	2			1	1, 2	
MGT8033 Leading Organisational Change	1	2				1, 2	
MKT5000	1	2				2, 3	
ACC5200	1	1, 2				1, 2	
ACC8000	1	1, 2				1, 2	
FIN5003	1	1				1, 3	
MGT5000 Managing Organisational Behaviour	1	1				1, 3	
ACC5213	2	1, 2				1, 2	
ACC5215	2	1, 2				1, 2	
ACC5216	2	1, 2				1, 2	
LAW8500					2	1, 2	
LAW5230 Taxation Law	2	1				1, 2, 3	
FIN8201 Corporate Finance	2	1				1, 3	
MGT8022 Project-Based Management	2	2				2, 3	
Selective	2	1					
ACC5218	3	1, 2				1, 2	
MBA8000 Applied Business Research and Ethics						1, 2	
Selective	3	1					
MGT8002	3	1, 2			3	1, 2, 3	

Master of Project Management and Master of Business Administration (MPMB) - MPPM and MBAD

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should consider the Master of Project Management.

	On-campus	Online
Start:	No new admissions	No new admissions
Campus:	Springfield	-
Fees:	Domestic full fee paying place International full fee paying place	Domestic full fee paying place International full fee paying place
Standard duration:	2 years full-time, up to 8 years part-time	
Program articulation:	From: Graduate Certificate of Business To: : On completion of the Master of Project Management or Master of Business Administration and meeting any nominated GPA requirements, students may be eligible for entry into the ; Doctor of Business Administration or ; Doctor of Philosophy	

Notes:

Not all specialisation courses are available at Springfield campus.

There are limited courses available in semester 3.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email :study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email: usq.support@usq.edu.au

Professional accreditation

UniSQ is a global Registered Education Provider (R.E.P.) accredited by the US-based Project Management Institute (PMI)®, which is the largest professional body for project managers in the world with over 450,000 members. UniSQ's status as an R.E.P. ensures the currency, quality and global recognition of the project management programs and courses offered by UniSQ both on-campus and online. Completion of project management courses and programs at UniSQ earns professional development units (PDUs) as evidence of professional development and credit towards PMI's Continuing Certification Requirements (CCR) program. Details can be obtained at the Project Management Institute

PMI, PMP and Project Management Professional (PMP) are registered marks of the Project Management Institute, Inc.

Program aims

The Master of Project Management and Master of Business Administration double degree encapsulates the aims of each program. The Master of Project Management aims to produce graduates who have appropriate skills and knowledge to be capable of managing small, medium and large-sized projects as either a senior team leader, a project manager or project director. The Master of Business Administration is an advanced academic program for graduates from any discipline who have considerable business experience, and who

have a recognised potential for advanced managerial responsibility. This program focuses on those areas of modern management that develop judgement, skills and attitudes that are essential to managerial responsibility.

Program objectives

Master of Project Management

The Master of Project Management aims to produce graduates who are able to:

- demonstrate mastery of theoretical knowledge and to reflect critically on theory, professional practice and scholarship in project management
- investigate, analyse, synthesise and apply complex information, problems, concepts and theories to a project management body of knowledge or practice
- demonstrate technical, communication and research skills to interpret and justify theoretical propositions, methodologies, conclusions and professional decisions to specialist and non-specialist audiences
- demonstrate the application of knowledge and skills with creativity and initiative to new situations in professional practice and/or for further learning, with high level personal autonomy and accountability
- plan and execute a substantial research-based project, capstone experience and/or piece of scholarship.

Master of Business Administration

The Master of Business Administration will enhance student analytical skills related to management, people, markets, finance, and technical knowledge. Graduates will be able to solve complex organisational problems and be able to manage change through the mastery of particular skills related to creativity, information literacy, and self-reflection. The program focuses on how to demonstrate leadership in global sustainability and how to understand the nature of ethical decisions across contemporary business practice. The Master of Business Administration will enable graduates to work in virtual and non-traditional work environments and increase personal mastery in oral and written communication.

- demonstrate applied knowledge of people, markets, finances, technology and management skills in practice
- identify and solve complex organisational problems, creatively, and practically to increase the effectiveness of management processes
- communicate professionally and effectively in a range of modes to various audiences to achieve targeted outcomes
- demonstrate an understanding of organisations in the global environment and the impact of these on organisational systems
- evaluate, synthesise and critically review theoretical frameworks with other evidence to provide solutions to real-world problems
- demonstrate reflective practice and apply learning to different contexts
- demonstrate an understanding of the impact of interpersonal communication on specific management processes and outcomes using relevant theories and concepts
- comprehend and address complex ethical dilemmas
- demonstrate an understanding of complex sustainable dilemmas and the need for responsible leadership
- demonstrate an understanding of the skills required to work in non-traditional and virtual working environments
- demonstrate the skills required for leadership of other, working in teams and working with people from diverse cultural and professional backgrounds in both virtual and real-time spaces
- communicate professionally and effectively in both oral and written communication to various audiences to achieve targeted outcomes.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university Bachelor degree in the area of business and a minimum of two year's professional work experience in business, or equivalent.
- English Language Proficiency requirements for Category 3.

For candidates who have a Bachelor degree or equivalent (AQF level 7) in a non-related discipline from a recognised institution, UniSQ's Graduate Certificate of Business provides an articulation pathway into the Master of Project Management and Master of Business Administration double degree. Upon completion and achievement of a minimum GPA of 4.0, they will be eligible for entry into the Master of Project Management and Master of Business Administration double degree.

Candidates with a Graduate Certificate (AQF level 8) or higher qualification in any discipline, with two years' professional work experience in business may apply for entry into the Master of Project Management and Master of Business Administration double degree. Eligibility for entry will be determined on a case-by-case basis.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Program structure

The Master of Project Management and Master of Business Administration double degree is made up of 16 courses:

- 8 Master of Business Administration core courses
- 7 Master of Project Management core courses
- the capstone course MGT8002

Core courses

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus	Semester of offer Springfield campus
Master of Business Administration core courses:			
ACC5502	1 ,3	1	1
CIS8000 Global Information Systems Strategy	1, 2	1, 2	2
ECO5000 Managerial Economics	1, 2	2	2

MBA8000 Applied Business Research and Ethics	1, 2		1
MGT5000 Managing Organisational Behaviour	1, 3		1
MKT5000	2, 3	2	2
MGT8022 Project-Based Management	2, 3		2
MGT8033 Leading Organisational Change	1, 2		2
Master of Project Management core courses:			
MGT8073 Project Processes and Systems	1		1
MGT8074 Project Team Leadership	2		2
MGT8075 Project Delivery	2		2
MGT8076 Project-based Change Management	1		1
MGT8077 Project Risk Management	1		1
MGT8078 Portfolio, Program and Benefits Management	1		1
MGT8079 Project Management Research Project	1		
Capstone course:			
MGT8002	1, 2, 3		

IT requirements

For information technology requirements please refer to the minimum computing standards.

Articulation

Students who complete the Master of Project Management or Master of Business Administration component are eligible to apply for entry into the Doctor of Business Administration or the Doctor of Philosophy, provided that they meet all of the admission requirements for that program. For further information, contact the Faculty of Business, Education, Law and Arts.

Exit points

A student who chooses not to complete or who does not maintain good standing in this program will be permitted to exit with a lesser qualification as set out below, provided that they have met the requirements of that program. This means:

- A student who successfully completes all 12 courses for the Master of Business Administration may, upon application, exit with that degree. A student who has successfully completed all the requirements of at least one specialisation may have one specialisation shown on their testamur.

- A student who successfully completes all 12 courses for the Master of Project Management may, upon application exit with that degree.
- A student who successfully completes eight units may, upon application, exit with a Graduate Diploma of Business. A student who has successfully completed all the requirements of a specialisation may have up to two specialisations shown on their testamur.
- A student who successfully completes all requirements for the Graduate Certificate of Business may, upon application, exit with that qualification. A student who has successfully completed all the requirements of a four-unit specialisation may have that specialisation shown on their testamur.

Credit

The Master of Project Management and Master of Business Administration double degree is required to meet the requirements of each degree studied with a maximum of 50% units of credit for each program studied individually.

The Master of Project Management and Master of Business Administration double degree requires 16 units to be completed. The Master of Project Management and Master of Business Administration double degree meets the requirements of the 12-unit Master of Project Management and the 12-unit Master of Business Administration.

Credit may be granted on the basis of completed equivalent postgraduate study from a recognised university. In order for credit to be granted, the claim must meet the following specific requirements:

- the course was passed within five years prior to the application (courses up to 10 years old may be considered if evidence is provided that the applicant has been employed in that field)
- the course passed is equivalent in objectives, content and weightings to a course prescribed in the Master of Business Administration or Master of Project Management
- the maximum granted is no greater than six units of credit for the Master of Business Administration or the Master of Project Management
- credit approved in this program will not automatically apply to other programs offered by UniSQ.

Claims for credit should be submitted prior to or at the time of enrolment in a course. Each claim will be assessed on individual merit in line with UniSQ policy. Please contact the Faculty of Business, Education, Law and Arts for further information.

Note: Where credit is granted, maximum and minimum duration will be adjusted in the same proportion as the credit, for example, where the maximum of 50 percent credit is granted, maximum and minimum duration will be reduced by one-half.

Recommended enrolment pattern - semester 1 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ACC5502	1	1			1	1	
MGT5000 Managing Organisational Behaviour					1	1	
MBA8000 Applied Business Research and Ethics					1	1	
MGT8073 Project Processes and Systems	1	1			1	1	Enrolment is not permitted in MGT8073 if MGT8025 has been previously completed.
MGT8022 Project-Based Management	1	2			1	2, 3	
ECO5000 Managerial Economics	1	2			1	2	
MKT5000	1	2			1	2	
CIS8000 Global Information Systems Strategy	1	2			1	2	
MGT8078 Portfolio, Program and Benefits Management	2	1			2	1	Enrolment is not permitted in MGT8078 if MGT8021 has been previously completed.
MGT8076 Project-based Change Management	2	1			2	1	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
MGT8077 Project Risk Management	2	1			2	1	Enrolment is not permitted in MGT8077 if MGT8024 has been previously completed.
MGT8079 Project Management Research Project*					2	1	
MGT8033 Leading Organisational Change	2	2			2	2	
MGT8075 Project Delivery	2	2			2	2	Enrolment is not permitted in MGT8075 if MGT8028 has been previously completed.
MGT8074 Project Team Leadership	2	2			2	2	Enrolment is not permitted in MGT8074 if MGT8027 has been previously completed.
MGT8002					2	2	

Footnotes

* This course is not offered on-campus in 2020. Students should enrol in the online offer

Recommended enrolment pattern - semester 2 intake

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
ECO5000 Managerial Economics	1	2			1	2	
MKT5000	1	2			1	2	
MGT8022 Project-Based Management	1	2			1	2, 3	
CIS8000 Global Information Systems Strategy	1	2			1	2	
ACC5502	1	1			1	1	
MGT5000 Managing Organisational Behaviour					1	1	
MGT8073 Project Processes and Systems	1	1			1	1	Enrolment is not permitted in MGT8073 if MGT8025 has been previously completed.
MGT8077 Project Risk Management	1	1			1	1	Enrolment is not permitted in MGT8077 if MGT8024 has been previously completed.
MBA8000 Applied Business Research and Ethics					2	2	
MGT8074 Project Team Leadership	2	2			2	2	Enrolment is not permitted in MGT8074 if MGT8027 has been previously completed.
MGT8075 Project Delivery	2	2			2	2	Enrolment is not permitted in MGT8075 if MGT8028 has been previously completed.
MGT8033 Leading Organisational Change	2	2			2	2	
MGT8076 Project-based Change Management	2	1			2	1	
MGT8002*					2	1	
MGT8079 Project Management Research Project~					2	1	
MGT8078 Portfolio, Program and Benefits Management^	2	1			2	1	Enrolment is not permitted in MGT8078 if MGT8021 has been previously completed.

Footnotes

* Students should enrol in MGT8002 in the last semester of study. It is offered in semester 2 at Springfield campus. Springfield students may like to consider enrolling in distance/online mode if studying this course in semester 1.

~ This course is not offered on-campus. Students should enrol in the online offer.

^ This course is not offered in semester 2.

Research programs

Master of Business Research (MBSR) - MBusRes

CRICOS code (International applicants): 059566G

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should contact us.

	On-campus	External
Start:	No new admissions	No new admissions
Campus:	Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place Research Training Program (RTP) - Fees Offset scheme	Domestic full fee paying place International full fee paying place Research Training Program (RTP) - Fees Offset scheme
Standard duration:	1.5 years full-time, up to 3 years part-time	

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Program aims

The Master of Business Research aims to produce graduates trained in business research either for academic or management purposes. This program also aims to provide students with opportunities to explore the resolution of particular management problems using specialist knowledge and advanced techniques through conducting research in a specialised area of business, management or information systems.

Program objectives

On successful completion of this program students will be able to:

- constantly evaluate developments in a chosen area of business examine and synthesise the relationship between such changes and contemporary theory
- identify, critically assess and apply selected research paradigms in terms of theory and practice and their applicability for resolving contemporary business research problems
- undertake, interpret and evaluate management research using appropriate principles and techniques
- analyse research data and reflect critically on the analysis.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity

of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 09. Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university Bachelor degree in the area of business, commerce or a related field.
- English Language Proficiency requirements for Category 3.

Students must have obtained a minimum average of credit (GPA = 5.0 on a 7.0 point scale) in their undergraduate degree or 5.5 or above for the second and third years of the degree.

Students who do not have an undergraduate degree in a business, commerce or a related field can enrol in the Graduate Certificate of Business. Students undertake four units of non-research coursework to gain cognate knowledge in their intended area of business research. Upon completion of the Graduate Certificate of Business and achieving a minimum GPA of 5.5, students are eligible to apply for entry to the Master of Business Research. Please note RSH8000 Introduction to Research and RSH8001 Research Methods are research courses within the Master of Business Research and are not suitable study options for the Graduate Certificate of Business pathway.

On application, students must be able to provide an outline of the research topic they intend to pursue.

Note: Admission to the Master of Business Research is dependent upon the Faculty's capacity to supervise the proposed project. Prospective students should contact the Faculty of Business, Education, Law and Arts for up-to-date information regarding research areas before preparing their project proposals.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Research Training Program (RTP) - Fees Offset scheme

All Australian citizens, Australian permanent residents and New Zealand citizens commencing a Higher Degree by Research (HDR) program will have their tuition fees paid by the Australian Commonwealth

Government under the Research Training Program (RTP) Fees Offset scheme. The RTP Fees Offset scheme covers program fees for an HDR student up to a maximum period of four years for full-time study or up to eight years part-time study for a Doctoral program, and up to a maximum period of two years for full-time or four years part-time for a Masters by Research program.
As part of the enrolment process, students are required to submit proof of citizenship or permanent residency status and transcripts of all previous academic study. This documentation enables the University of Southern Queensland to determine eligibility for an RTP Fees Offset place.

If a student's RTP Fees Offset entitlement expires before completion of the program, the student will be required to pay full tuition fees.

Students eligible for an RTP Fees Offset place are those who:

- have not used RTP Fees Offset funding in the previous three years; or
- have already used RTP Fees Offset funding and have successfully completed an HDR program. Once a student completes an HDR program, full entitlements of RTP Fees Offset are restored.

The Australian Commonwealth Government's contribution to program fees must be acknowledged on all published material relating to a research project via a statement identifying the support received through the RTP Fees Offset scheme.

Program structure

The Master of Business Research is a 12-unit research program comprising 2 units of coursework and 10 units of thesis. Students must successfully complete the following courses:

Course	Semester of offer Distance/Online	Semester of offer Toowoomba campus
RSH8000 Introduction to Research (1 unit)	1, 2	1, 2
RSH8001 Research Methods (1 unit)	1, 2	1, 2
BUS8201 Master of Business Research Project A* (2 units)	1, 2	1, 2
BUS8202 Master of Business Research Project B* (4 units)	1, 2	2
BUS8205 Master of Business Research Project C^ (1 unit)	1, 2	1, 2

Footnotes

* Students will be required to re-enrol in the two thesis courses BUS8201 and BUS8202 multiple times to satisfy the normal program requirement of 10 units of thesis. See recommended enrolment patterns below.

^ BUS8205 is only available for students who have approval for extra time to complete their thesis or have approval to reduce their study load.

The thesis allows students to undertake in-depth, independent investigation in a chosen area of business. To successfully complete the thesis, students will be required to select a topic, develop a proposal, carry out supervised research on the topic using an appropriate research method and present the results in a thesis of no more than 40,000 words.

Student progress and achievement will be measured by student performance in the initial two research training courses and thereafter will be evidenced by their achievement of research milestones as documented by successful confirmation of candidature and ongoing assessment of research progression reported in progress reports.

Required time limits

Students have a maximum of 3 years to complete this program.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Other program requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Exit points

A student who successfully completes RSH8000 Introduction to Research, RSH8001 Research Methods and a short research thesis of two units, may upon application, exit with the Graduate Certificate of Business Research (GCBR).

A student who successfully completes RSH8000 Introduction to Research, RSH8001 Research Methods and a research thesis of six units may upon application, exit with the Graduate Diploma of Business Research (GDBR).

A student enrolled in the Master of Business Research who wishes to exit without completing the program, may on the basis of outstanding performance seek to transfer to the Doctor of Philosophy (PhD). To be considered for acceptance into the PhD, students will have:

- completed at least eight units within the Master of Business Research
- obtained an overall GPA of at least 6 averaged across RSH8000 Introduction to Research, and RSH8001 Research Methods
- achieved confirmation of Master's candidature by the Office of Research and Higher Degrees.

Note: candidates will be required to meet the admission requirements of the PhD program and, if they are accepted, will be enrolled as provisional candidates with their status reviewed within 12 months for full-time enrolment or 24 months for part-time enrolment. Students may apply for credit in the PhD program based on the MBSR research dissertation units completed.

Credit

Credit will not normally be granted for the Masters Thesis courses. Claims for credit for previous study should be submitted prior to or at the time of enrolment in a program. Each claim will be assessed on individual merit in line with UniSQ policy. Credit approved in this program will not automatically apply to other programs offered by UniSQ.

Recommended enrolment pattern

The flexibility of the Master of Business Research program means that there will be a range of enrolment patterns and many students will have a unique enrolment pattern. Students requiring assistance should contact the Faculty of Business, Education, Law and Arts. An example of a recommended enrolment pattern is set out in the table below.

Note: It is recommended that students complete all of RSH8000 Introduction to Research and RSH8001 Research Methods before commencing the Masters Thesis courses.

Full-time students will enrol once in BUS8201 Master of Business Research Project A (2 units) and twice in BUS8202 Master of Business Research Project B (4 units) in order to successfully complete 10 units of thesis.

Part-time students will enrol five times in BUS8201 Master of Business Research Project A (2 units) in order to successfully complete a total of 10 units of thesis.

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
RSH8000 Introduction to Research	1	1			1	1		1 unit
RSH8001 Research Methods	1	1			1	1		1 unit
BUS8201 Master of Business Research Project A *	1	1			1	2	Co-requisite: RSH8000 and RSH8001	2 units
BUS8202 Master of Business Research Project B *	1	2					Co-requisite: RSH8000 and RSH8001	4 units
BUS8202 Master of Business Research Project B *	2	1					Co-requisite: RSH8000 and RSH8001	4 units
BUS8201 Master of Business Research Project A *					2	1	Co-requisite: RSH8000 and RSH8001	2 units
BUS8201 Master of Business Research Project A *					2	2	Co-requisite: RSH8000 and RSH8001	2 units
BUS8201 Master of Business Research Project A *					3	1	Co-requisite: RSH8000 and RSH8001	2 units
BUS8201 Master of Business Research Project A *					3	2	Co-requisite: RSH8000 and RSH8001	2 units

Footnotes

* For the thesis component of their studies, students should enrol in either BUS8201 or BUS8202.

Master of Science (Research) (MSCR) - MSCR

CRICOS code (International applicants): 070618G

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area, please contact us .

	On-campus^	External^
Start:	No new admissions	No new admissions
Campus:	Ipswich, Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place Research Training Program (RTP) - Fees Offset scheme	Domestic full fee paying place International full fee paying place Research Training Program (RTP) - Fees Offset scheme
Standard duration:	1.5 years full-time, 3 years part-time maximum	

Notes:

The Applied specialisation is not available to International on-campus students at the Ipswich campus.

Footnotes

^ The Applied and Advanced specialisations are available externally and on-campus in Toowoomba and Ipswich. The Psychology Research specialisation is available on-campus in Ipswich and externally.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 usq.support@usq.edu.au

Professional accreditation

The Master of Science (Research) Psychology Research specialisation is accredited by the Australian Psychology Accreditation Council (APAC).

Program aims

This program provides opportunities for motivated and highly qualified students to undertake advanced study and to produce a research-based thesis. Students will develop appropriate research skills and specialist area knowledge that will enhance their career prospects or allow them to proceed to further appropriate higher degree studies.

Applied Research specialisation

The specialisation is designed to provide students with a combination of coursework and related research which will provide and enhance student knowledge across a range of science based disciplines.

Psychology Research specialisation

This specialisation is designed to provide students with extended psychology research training which will provide and enhance student knowledge in psychology research and professional psychology practices.

Advanced Research specialisation

This specialisation is designed to provide students who have already undertaken substantial prior studies in a relevant area with the opportunity to focus on a significant research project in a related area.

Transfer between specialisations within this program is not possible.

Program objectives

General objectives

On successful completion of this program a graduate should be able to:

- identify, interpret and evaluate major issues of contemporary theory and practice in their discipline area
- comprehend and evaluate developments in a chosen discipline area and critically examine the relationships between such developments and contemporary theory
- apply a knowledge of the principles and ethics of research within their chosen discipline area
- identify research topics and undertake research using appropriate research methods and principles.
- report and disseminate research outcomes.

Specialisation Objectives

Applied Research specialisation

On successful completion of this program a graduate should be able to:

- apply extended knowledge, skills and research expertise in a specified field of scientific research building upon their three year degree
- plan and execute a substantial applied research project in their chosen discipline area.

Psychology Research specialisation

On successful completion of this program a student should be able to:

- apply extended knowledge, skills, and research expertise in the discipline of psychology
- clearly articulate the ethical and social responsibilities of psychology practice and research
- identify, interpret and critically evaluate major issues in contemporary psychological theory and research
- apply high levels of proficiency in psychology research including research planning and implementation, analysis, interpretation and evaluation of research results, and the presentation and communication of research findings to both specialist and non-specialist audiences.

Advanced Research specialisation

On successful completion of this program a graduate should be able to:

- extend and develop the research expertise and techniques of students entering the specialisation with a four year degree or equivalent
- plan and execute a substantial advanced research project in their chosen discipline area
- apply thorough research skills to be eligible to transfer (if desired) to a doctoral program from this specialisation.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 09. Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

Application for Admission

The degree is centred on a research project, supervised by a principal and an associate supervisor. It is therefore essential that intending candidates clarify their topic for research and seek an academic staff member able to provide principal supervision. Application forms and advice on procedures for enrolment may be obtained from the Faculty of Health, Engineering and Sciences. Intending candidates are advised to allow several months for discussion with potential supervisors and for consideration of the application prior to the commencement of candidature.

Intending applicants must consult the Faculty of Health, Engineering and Sciences before they apply. Applicants must then submit a Direct Entry application form together with other information as specified by the Faculty of Health, Engineering and Sciences. The applicants must receive approval from the Faculty of Health, Engineering and Sciences for the proposed study plan, and may also be required to attend an interview with the Faculty of Health, Engineering and Sciences prior to confirmation of acceptance.

Admission Criteria

Master of Science (Research) (Applied Research)

To be eligible for admission to the Master of Science (Research) (Applied Research), applicants must satisfy the following requirements:

- completion of a three-year Australian university bachelor degree in the area of the related field of study with a GPA of 5.0 out of 7.0 for the last 2 full years of the degree or above, or equivalent

or

- equivalent qualification and work experience in the related field of study as determined by the program coordinator

and

- acceptance will be subject to the availability of, and endorsement by, a UniSQ supervisor.
- English Language Proficiency requirements for Category 3.

Master of Science (Research) (Psychology Research)

To be eligible for admission to the Master of Science (Research) (Psychology Research), applicants must satisfy the following requirements:

- completion of 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 and
- achieved a GPA of 5.0 out of 7.0 or above in the psychology courses in an APAC accredited undergraduate program

and

- acceptance will be subject to the availability of, and endorsement by, a UniSQ supervisor.
- English Language Proficiency requirements for Category 3.

Master of Science (Research) (Advanced Research)

To be eligible for admission to the Master of Science (Research) (Advanced Research), applicants must satisfy the following requirements:

- completion of a four-year Australian university bachelor degree in the area of the related field of study with a GPA of 5.0 out of 7.0 for the last 2 full years of the degree, or above, or equivalent

or

- completion of a 1.5 year Australian university Masters degree in a relevant discipline with a GPA of 5.0 out of 7.0 or above, or equivalent

or

- equivalent qualification and work experience in the related field of study as determined by the program coordinator

and

- acceptance will be subject to the availability of, and endorsement by, a UniSQ supervisor.
- English Language Proficiency requirements for Category 3.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Research Training Program (RTP) - Fees Offset scheme

All Australian citizens, Australian permanent residents and New Zealand citizens commencing a Higher Degree by Research (HDR) program will have their tuition fees paid by the Australian Commonwealth Government under the Research Training Program (RTP) Fees Offset scheme. The RTP Fees Offset scheme covers program fees for an HDR student up to a maximum period of four years for full-time study or up to eight years part-time study for a Doctoral program, and up to a maximum period of two years for full-time or four years part-time for a Masters by Research program.
As part of the enrolment process, students are required to submit proof of citizenship or permanent residency status and transcripts of all previous academic study. This documentation enables the University of Southern Queensland to determine eligibility for an RTP Fees Offset place.

If a student's RTP Fees Offset entitlement expires before completion of the program, the student will be required to pay full tuition fees.

Students eligible for an RTP Fees Offset place are those who:

- have not used RTP Fees Offset funding in the previous three years; or
- have already used RTP Fees Offset funding and have successfully completed an HDR program. Once a student completes an HDR program, full entitlements of RTP Fees Offset are restored.

The Australian Commonwealth Government's contribution to program fees must be acknowledged on all published material relating to a research project via a statement identifying the support received through the RTP Fees Offset scheme.

Program structure

Applied Research specialisation

There are 12 units in the program. There are four coursework units which will include a research training course. Courses are normally at level 4 or above and are selected in consultation with the supervisor to reflect additional training complementary to the area of research to be undertaken. The research training course will consist of SCI8103 Research in the Sciences or HSC8050 Research Methodology for the Human Sciences or ENG8001 or equivalent (as approved by the Program Director).

The remaining 8-unit research project will be undertaken in consultation with an approved supervisor. The first research project course SCI9012 Master of Science Research Project B is evaluated by a progress report and a thesis proposal.

The student will prepare a thesis based on independently conducted research. To successfully complete the thesis, students will be required to select a research topic, carry out supervised research on the chosen topic using an appropriate research method and present and defend the results. The Masters level thesis will be examined as per the Higher Degree by Research Thesis Examination Schedule.

The thesis topic may be drawn, depending on availability, from the areas of:

- Agricultural Science
- Applied Climate Science
- Astronomy
- Biology
- Computer Science
- Counselling
- Data Science
- Environmental Science
- Mathematics
- Midwifery
- Nursing
- Physical Sciences
- Psychology
- Spatial Science
- Sport and Exercise
- Statistics

Psychology Research specialisation

There are 12 units in the program. There are four compulsory Level 4 psychology coursework units.

The remaining 8-unit research project will be undertaken in consultation with an approved supervisor. The first research project course SCI9017 Master of Science Psychology Research Project is evaluated by a progress report and a thesis proposal.

The student will prepare a thesis based on independently conducted research. To successfully complete the thesis, students will be required to select a research topic, carry out supervised research on the chosen topic using an appropriate research method and present and defend the results. The Masters level thesis will be examined as per the Higher Degree by Research Thesis Examination Schedule.

Advanced Research specialisation

Candidates will be expected to conduct their studies in areas of science research that reflect the expertise of current staff in the Faculty of Health, Engineering and Sciences. Most research active staff are also members

of a UniSQ Research Centre. Details of current research programs and potential supervisors can be found on the Research webpage.

The emphasis of the program will be on developing the appropriate knowledge and skills to undertake independent research and professional practice. Accordingly, a major component of the program will be a supervised research project.

There are 12 units in the program. There is one unit of coursework research training, one postgraduate elective (coursework or research training as approved by the Program Director) and 10 units of independent research. Progress in the research courses is monitored via research reports co-ordinated by the Office of Research and Higher Degrees. In addition, two of the research project courses (SCI9012 Master of Science Research Project B and SCI9013 Master of Science Research Project C are formally evaluated. SCI9012 Master of Science Research Project B is evaluated by a progress report and a thesis proposal. In the case of SCI9013 Master of Science Research Project C, this is evaluated by a progress seminar and progress report.

The student will prepare a thesis based on independently conducted research. To successfully complete the thesis, students will be required to select a research topic, carry out supervised research on the chosen topic using an appropriate research method and present and defend the results. The Masters level thesis will be examined as per the Higher Degree by Research Thesis Examination Schedule.

The research training course will consist of SCI8103 Research in the Sciences or HSC8050 Research Methodology for the Human Sciences or ENG8001 or equivalent (as approved by the Program Director).

The thesis topic may be drawn, depending on availability, from the areas of:

- Agricultural Science
- Applied Climate Science
- Astronomy
- Biology
- Computer Science
- Counselling
- Data Science
- Environmental Science
- Mathematics
- Midwifery
- Nursing
- Physical Sciences
- Psychology
- Spatial Science
- Sport and Exercise
- Statistics

Required time limits

Students have a maximum of 2 years (full-time) or 4 years (part-time) to complete this program.

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: R = Recommended; HR = Highly Recommended; M = Mandatory. To find out more about residential schools, visit the Residential School Schedule to view specific dates for your degree, or visit the Policy and Procedure Library.

Psychology Research:

- SCI9017 Master of Science Psychology Research Project

Please refer to the Residential School Schedule.

Applied Research and Advanced Research:

Elective course options within the Applied Research and Advanced Research specialisations may have residential schools and students should seek confirmation of the requirements when selecting their electives.

Exit points

Students enrolled in the Applied Research specialisation, who have successfully completed four coursework units and wish to exit without completing the program, may seek, with approval of the Program Director, to exit via the Graduate Certificate of Science. Students must successfully complete this specialisation prior to application for entry to the PhD program.

Students enrolled in the Psychology Research specialisation must successfully complete this specialisation prior to application for entry to the PhD.

Doctorate transfer

Students enrolled in the Master of Science (Research) Advanced Research specialisation, who wish to transfer without completing the program, may on the basis of outstanding performance, seek to transfer to the Doctor of Philosophy, Doctor of Applied Science or Doctor of Health. To be considered for acceptance into either of the above programs, students must have achieved all of the following:

- Completed at least 8 units within the Master of Science (Research) Advanced Research specialisation.
- A GPA of at least 6 achieved from chosen research methodology course, approved elective course and SCI9013 Master of Science Research Project C (with a minimum A grade in SCI9013).
- Research Confirmation of Candidature approved at PhD level by the Office of Research Graduate Studies.
- Excellent research progress to be presented at the completion of 8 units, to be assessed by a Faculty review panel.

Credit

There will be no Credit or Exemptions for research project units in any specialisation of this program. Exemption for up to 4 units of relevant coursework undertaken as part of a Masters program may be approved within the Master of Science (Research) (Applied Research). Exemption for 1 unit of relevant coursework undertaken as part of a Masters program may be approved within the Master of Science (Research) (Advanced Research). There will normally be no Credit or Exemptions for the compulsory coursework units in the Psychology Research specialisation.

Recommended enrolment pattern - Applied Research specialisation (full-time)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
SCI6103 Research Fundamentals and Ethics	1	1,2			1	1,2	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
or							
HSC8050 Research Methodology for the Human Sciences					1	1,2	
or							
ENG8001 &		1,2,3				1,2	
Approved Course 1**	1	1	1	1			
Approved Course 2**	1	1	1	1			

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Approved Course 3**	1	1	1	1			
SCI9012 Master of Science Research Project B*~	1	1,2	1	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
SCI9014 Master of Science Research Project D*~	1	1,2	1	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
Year 2							
SCI9014 Master of Science Research Project D*~	2	1,2	2	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
SCI9015 Master of Science Research Project E*~	2	1,2	2	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR

Footnotes

& Required for Spatial Science students and must be completed satisfactorily during the first semester of study. Students who have previously completed SCI4405 Research Practice and Ethics or HSC8050 Research Methodology for the Human Sciences or an equivalent course elsewhere, will be required to undertake an alternative course selected in consultation with the Program Director.

** Approved courses may not be available on campus at Ipswich. Courses will normally be at level 4 or above and are selected in consultation with the project supervisor and approval of the Program Director. Sport and Exercise: the recommended coursework courses are SES8006 Advanced Exercise Programming and Rehabilitation (The on-campus offer will not run in 2020), SES8007 Advanced Exercise Assessment and Delivery (compulsory residential school for external students) and SES8008 Advanced Anatomy and Physiology (compulsory residential school for external students), however an alternate course from within a relevant Science or Health and Wellbeing discipline, selected in consultation with the project supervisor, may be approved by the Program Director.

* Two units of credit

~ Pass/Fail Course

Recommended enrolment pattern - Applied Research specialisation (part-time)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
SCI6103 Research Fundamentals and Ethics	1	1,2			1	1,2	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
or							
HSC8050 Research Methodology for the Human Sciences					1	1,2	
or							
ENG8001 &		1,2,3				1,2	
Approved Course 1**	1	1	1	1		1	
Semester 2							
Approved Course 2**	1	2	1	2		2	
Approved Course 3**	1	2	1	2		2	
Year 2							
SCI9012 Master of Science Research Project B*~	2	1,2	2	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Semester 2							
SCI9014 Master of Science Research Project D*~	2	1,2	2	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
Year 3							
SCI9014 Master of Science Research Project D*~	3	1,2	3	1, 2			Pre-requisite: Student must be enrolled in the following Program: MSCR
Semester 2							
SCI9014 Master of Science Research Project D*~	3	1,2	3	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR

Footnotes

& Required for Spatial Science students and must be completed satisfactorily during the first semester of study. Students who have previously completed SCI4405 Research Practice and Ethics or HSC8050 Research Methodology for the Human Sciences or an equivalent course elsewhere, will be required to undertake an alternative course selected in consultation with the Program Director.

** Approved courses may not be available on campus at Ipswich. Courses will normally be at level 4 or above and are selected in consultation with the project supervisor and approval of the Program Director. Sport and Exercise: the recommended coursework courses are SES8006 Advanced Exercise Programming and Rehabilitation, SES8007 Advanced Exercise Assessment and Delivery (compulsory residential school for external students) and SES8008 Advanced Anatomy and Physiology (compulsory residential school for external students), however an alternate course from within a relevant Science or Health and Wellbeing discipline, selected in consultation with the project supervisor, may be approved by the Program Director.

* Two units of credit

~ Pass/Fail course

Recommended enrolment pattern - Psychology Research specialisation (full-time)

For students who wish to start the program in Semester 2, please contact the Psychology specialisation coordinator for a recommended enrolment pattern.

The Psychology Research specialisation may be studied externally, however mandatory attendance at the scheduled block on-campus workshops will be required on-campus in Toowoomba and/or Ipswich during the first year of the program. The number of days required at each block on-campus workshop will depend on enrolment mode. There are 8 compulsory courses (worth 12 units). The courses are as follows.

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Year 1								
PSY4020 Ethical and Professional Practice	1	1			1	1	M	Pre-requisite: Students must be enrolled in one of the fol lowing Programs: BSCH (Psychology major 12302) or BSHP or MSCR (Psychology Research)
PSY4111 Advanced Research Approaches	1	1			1	1	M	Pre-requisite: Students must be enrolled in one of the fol lowing Programs: BSCH (12302 Psychology) or BSHP or MRES (19112 Psycholo gy). BPSH students need to apply for manual enrolment in this course.
SCI9017 Master of Science Psychology Research Project+*	1	1,2	1	1,2			R	
PSY4070 Assessment and Interview Skills	1	2			1	2	M	Pre-requisite: Students must be enrolled in one of the fol lowing Programs: BSCH

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
								(12302 Psychology) or BSHP or MRES (19112 Psychology). BPSH students need to apply for manual enrolment in this course.
SCI9014 Master of Science Research Project D~*	1	1,2	1	1,2				Pre-requisite: Student must be enrolled in the following Program: MSCR
PSY4040 Psychological Interventions	1	2			1	2	M	Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (12302 Psychology) or BSHP or MRES (19112 Psychology). BPSH students need to apply for manual enrolment in this course.
Year 2								
SCI9014 Master of Science Research Project D*~	2	1,2	2	1,2				Pre-requisite: Student must be enrolled in the following Program: MSCR
SCI9015 Master of Science Research Project E*~	2	1,2	2	1,2				Pre-requisite: Student must be enrolled in the following Program: MSCR

Footnotes

+ Graded course
* Two unit course
~ Pass/Fail course

Recommended enrolment pattern - Psychology Research specialisation (part-time)

The Psychology Research specialisation may be studied externally, however mandatory attendance at the scheduled block on-campus workshops will be required on-campus in Toowoomba during the first year of the program. The number of days required at each block on-campus workshop will depend on enrolment mode. There are 8 compulsory courses (worth 12 units). The courses are as follows.

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
PSY4020 Ethical and Professional Practice	1	1			1	1	M	Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (Psychology major 12302) or BSHP or MSCR (Psychology Research)
PSY4111 Advanced Research Approaches	1	1			1	1	M	Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (12302 Psychology) or BSHP or MRES (19112 Psychology). BPSH students need to apply for manual enrolment in this course.
PSY4070 Assessment and Interview Skills	1	2			1	2	M	Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (12302 Psychology) or BSHP

Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
								or MRES (19112 Psychology). BPSH students need to apply for manual enrolment in this course.
PSY4040 Psychological Interventions	1	2			1	2	M	Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (12302 Psychology) or BSHP or MRES (19112 Psychology). BPSH students need to apply for manual enrolment in this course.
Year 2								
SCI9017 Master of Science Psychology Research Project+*	2	1,2	2	1,2			R	
SCI9014 Master of Science Research Project D~*	2	2	2	2				Pre-requisite: Student must be enrolled in the following Program: MSCR
Year 3								
SCI9014 Master of Science Research Project D*~	3	1	3	1		1		Pre-requisite: Student must be enrolled in the following Program: MSCR
SCI9014 Master of Science Research Project D*~	3	2	3	2				Pre-requisite: Student must be enrolled in the following Program: MSCR

Footnotes

+ Graded course
* Two unit course
~ Pass/Fail course

Recommended enrolment pattern - Advanced Research specialisation (full-time)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1, Semester 1							
SCI6103 Research Fundamentals and Ethics	1	1,2			1	1,2	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or MSCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
or							
HSC8050 Research Methodology for the Human Sciences					1	1,2	
or							
ENG8001 &		1,2,3				1,2	
or							
Equivalent approved by the Program Director							
Approved Course**	1	1,2	1	1,2			

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
SCI9012 Master of Science Research Project B*~	1	1,2	1	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
Year 1, Semester 2							
SCI9013 Master of Science Research Project C*	1	1,2	1	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
SCI9014 Master of Science Research Project D*~	1	1,2	1	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
Year 2							
SCI9014 Master of Science Research Project D*~	2	1,2	2	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
SCI9015 Master of Science Research Project E*~	2	1,2	2	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR

Footnotes

& Required for Spatial Science students and must be completed satisfactorily during the first semester of study. Students who have previously completed HSC8050 Research Methodology for the Human Sciences or an equivalent course elsewhere, will be required to undertake an alternative course selected in consultation with the Program Director.

** Approved courses may not be available on campus at Ipswich. Courses will normally be at level 8 or above and are selected in consultation with the project supervisor and approval of the Program Director. Sport and Exercise students who have already met the research methods/training requirements may choose an approved course and are recommended to choose from SES8006 Advanced Exercise Programming and Rehabilitation , SES8007 Advanced Exercise Assessment and Delivery (compulsory residential school for external students) and SES8008 Advanced Anatomy and Physiology (compulsory residential school for external students), however an alternate course from within a relevant Science or Health and Wellbeing discipline, selected in consultation with the project supervisor, may be approved by the Program Director.

* Two units of credit

~ Pass/Fail course

Recommended enrolment pattern - Advanced Research specialisation (part-time)

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Year 1							
SCI6103 Research Fundamentals and Ethics	1	1,2			1	1,2	Pre-requisite: Students must be enrolled in one of the following programs: MSCN or M SCR or MCTN or MADS or GCSC or GDSI or DPHD or its equivalent. Enrolment is not permitted in SCI6103 if SCI4405 has been previously completed.
or							
HSC8050 Research Methodology for the Human Sciences					1	1,2	
or							
ENG8001 &		1,2,3				1,2	
or							
Equivalent approved by the Program Director							
Approved Course**	1	1,2	1	1,2			
SCI9012 Master of Science Research Project B*~	1	1,2	1	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
Year 2							
SCI9014 Master of Science Research Project D*~	2	1,2	2	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
SCI9013 Master of Science Research Project C*	2	1,2	1	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
Year 3							
SCI9014 Master of Science Research Project D*~	3	1,2	3	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR
SCI9014 Master of Science Research Project D*~	3	1,2	3	1,2			Pre-requisite: Student must be enrolled in the following Program: MSCR

Footnotes

& Required for Spatial Science students and must be completed satisfactorily during the first semester of study. Students who have previously completed HSC8050 Research Methodology for the Human Sciences or an equivalent course elsewhere, will be required to undertake an alternative course selected in consultation with the Program Director.

** Approved courses may not be available on campus at Ipswich. Courses will normally be at level 8 or above and are selected in consultation with the project supervisor and approval of the Program Director. Sport and Exercise students who have already met the research methods/training requirements may choose an approved course and are recommended to choose from SES8006 Advanced Exercise Programming and Rehabilitation , SES8007 Advanced Exercise Assessment and Delivery (compulsory residential school for external students) and SES8008 Advanced Anatomy and Physiology (compulsory residential school for external students), however an alternate course from within a relevant Science or Health and Wellbeing discipline, selected in consultation with the project supervisor, may be approved by the Program Director.

* Two units of credit

~ Pass/Fail course

Master of Research (MRES) - MRes

CRICOS code (International applicants): 108591H

	On-campus	Online
Start:	Interim Trimester 1 (February) Interim Trimester 2 (June) Interim Trimester 3 (September)	Interim Trimester 1 (February) Interim Trimester 2 (June) Interim Trimester 3 (September)
Campus:	Ipswich, Springfield, Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place Research Training Program (RTP) - Fees Offset scheme	Domestic full fee paying place International full fee paying place Research Training Program (RTP) - Fees Offset scheme
Standard duration:	2 Years Full Time; 4 Years Part Time. This reflects the length of time that the program is RTP funded for domestic students.	

Notes:

In 2023 the programs follows the Interim Trimester calendar. The Academic Calendar and Important Dates webpage will allow you to view and download a copy of the important dates for the Blocks calendar.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Program aims

The Master of Research provides opportunities for motivated and highly qualified students to undertake advanced study and to produce a research-based thesis. Students will develop appropriate research skills and specialist area knowledge that will enhance their career prospects or allow them to proceed to further appropriate higher degree studies.

Program objectives

On successful completion of this program a graduate should be able to:

- identify, interpret and evaluate major issues of contemporary theory and practice in their discipline area
- comprehend and evaluate developments in a chosen discipline area and critically examine the relationships between such developments and contemporary theory
- apply a knowledge of the principles and ethics of research within their chosen discipline area
- identify research topics and undertake research using appropriate research methods and principles
- report and disseminate research outcomes.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity

of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 09. Graduates at this level will have specialised knowledge and skills for research, and/or professional practice and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

(1) completion of a three-year degree at an Australian university or equivalent, with a GPA of 5.0/7.0 or above, or equivalent, in a relevant discipline
or
(2) completed a three-year degree at an Australian university or equivalent and have a successfully completed a coursework masters, with a GPA of 5.0/7.0 or above, or equivalent score, in a relevant discipline.
plus
(3) acceptance will be subject to the availability of, and endorsement by, a UniSQ supervisor.

In addition to the above, students in the Psychology Research Specialisation will need to have completed an https://psychologycouncil.org.au/APAC accredited there-year sequence undergraduate program in psychology and to be current in the area of psychology. This means students need to have commenced their studies in an APAC accredited program no earlier than 8 years previous to the year of application and have satisfied requirements for the award of the degree no more than 3 years previously. The rationale for this is to ensure students can still demonstrate a breadth/depth of knowledge, skills, and application in psychology and meet APAC competencies.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Research Training Program (RTP) - Fees Offset scheme

All Australian citizens, Australian permanent residents and New Zealand citizens commencing a Higher Degree by Research (HDR) program will have their tuition fees paid by the Australian Commonwealth Government under the Research Training Program (RTP) Fees Offset scheme. The RTP Fees Offset scheme covers program fees for an HDR student up to a maximum period of four years for full-time study or up to

eight years part-time study for a Doctoral program, and up to a maximum period of two years for full-time or four years part-time for a Masters by Research program.
As part of the enrolment process, students are required to submit proof of citizenship or permanent residency status and transcripts of all previous academic study. This documentation enables the University of Southern Queensland to determine eligibility for an RTP Fees Offset place.

If a student's RTP Fees Offset entitlement expires before completion of the program, the student will be required to pay full tuition fees.

Students eligible for an RTP Fees Offset place are those who:

- have not used RTP Fees Offset funding in the previous three years; or
- have already used RTP Fees Offset funding and have successfully completed an HDR program. Once a student completes an HDR program, full entitlements of RTP Fees Offset are restored.

The Australian Commonwealth Government’s contribution to program fees must be acknowledged on all published material relating to a research project via a statement identifying the support received through the RTP Fees Offset scheme.

Program structure

The Master of Research is a 16-unit research program. Students may graduate from the program at completion of 12 units, if all requirements of the program are met. There are up to four coursework units which will include two research training courses. Elective courses are normally at level 4 or above and are selected in consultation with the supervisor to reflect additional training complementary to the area of research to be undertaken. The research training courses will consist of RES9004 Research Design and Methodologies and RES9005 Qualitative Research Techniques or STA6200 Statistics for Quantitative Researchers. The psychology specialisation will have a variation to this standard enrolment pattern. The remaining units will be confirmation of candidature and a research project and will be undertaken in consultation with an approved supervisor. The student will prepare a thesis based on independently conducted research. To successfully complete the thesis, students will be required to select a research topic, carry out supervised research on the chosen topic using an appropriate research method and present and defend the results. The Masters level thesis will be examined as per the Higher Degree by Research Thesis Examination Schedule.

Required time limits

Students have a maximum of 2 years (full-time) or 4 years (part-time) to complete this program with RTP funding. This reflects the length of time that the program is RTP funded for domestic students.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Other program requirements

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Exit points

A student enrolled in the Master of Research must successfully complete the program prior to application for entry into the Doctor of Philosophy (PhD).

Doctorate Transfer

Students may enrol in an alternative pattern if they meet the requirements to articulate from the Master of Research to the Doctor of Philosophy. In order to meet these requirements students must:

- Meet the entry requirements for the Doctor of Philosophy in having an Honours or Master's degree with significant research but not have this at the required level. For example, a 2B Honours degree.

Such students would be an exception within the program and would be required to present a Confirmation of Candidature to scope out doctoral program work prior to being transferred to the Doctor of Philosophy program as a confirmed candidate.

Credit

Application for exemptions/credit will be assessed on individual merit in line with the UniSQ Policy.

Recommended Enrolment Pattern

Course	Year of program and trimester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Tri	Year	Tri	Year	Tri	
All student must complete the following course.							
RES9004 Research Design and Methodologies*					1	1	Pre-requisite: Students must be enrolled in one of the following Programs: MRES or D PHD
Enrol in 1 of the following 2 courses.							
RES9515 Masters Research Project 2 (H)	1	1			1	1	Pre-requisite: Students must be enrolled in the following Program: MRES
OR							
RES9516 Masters Research Project 2 (L)	1	1			1	1	Pre-requisite: Students must be enrolled in the following Program: MRES
Discipline elective or 1 unit of Research Project	1	2					
Enrol in 1 of the following 2 courses.							
RES9005 Qualitative Research Techniques					1	2	Pre-requisite: Students must be enrolled in one of the following Programs: MRES or D PHD
OR							
STA6200 Statistics for Quantitative Researchers**					1	2	Enrolment is not permitted in STA6200 if S TA2300 or STA1003 or STA1004 has been previously completed
Enrol in 1 of the following 2 courses.							
RES9055 Masters Research Project 1 (H)	1	2			1	2	Pre-requisite: Students must be enrolled in the following Program: MRES
OR							
RES9056 Masters Research Project 1 (L)	1	2			1	2	Pre-requisite: Students must be enrolled in the following Program: MRES
Enrol in 1 of the following 2 courses.							
RES9515 Masters Research Project 2 (H)	1	2			1	2	Pre-requisite: Students must be enrolled in the following Program: MRES
OR							
RES9516 Masters Research Project 2 (L)	1	1			1	2	Pre-requisite: Students must be enrolled in the following Program: MRES
Enrol in 1 of the following 2 courses.							
RES9517 Masters Research Project 4 (H)	2	2			2	1	Pre-requisite: Students must be enrolled in the following Program: MRES
OR							
RES9518 Masters Research Project 4 (L)	2	1			2	1	Pre-requisite: Students must be enrolled in the following Program: MRES

Course	Year of program and trimester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Tri	Year	Tri	Year	Tri	
Enrol in 1 of the following 2 courses.							
RES9517 Masters Research Project 4 (H)	2	2			2	2	Pre-requisite: Students must be enrolled in the following Program: MRES
OR							
RES9518 Masters Research Project 4 (L)	2	2			2	2	Pre-requisite: Students must be enrolled in the following Program: MRES

Footnotes

* Students should enrol in RES9004 in the first trimester of enrolment.

** If you have completed and passed STA2300 or STA1003 Fundamental Statistics you do not need to complete STA6200 Statistics for Quantitative Researchers.

Psychology Research Recommended Enrolment Pattern

An APAC accredited Psychology Research specialisation will be an enrolment exception. Applicants to the Psychology Research Specialisation must have a 3 year APAC accredited undergraduate degree and suitability for entry to the program specialisation will be assessed and recommended by the Psychology Honours Program Director. The Psychology Research specialisation may be studied externally, with some courses having workshop delivery. Students enrolled on the Psychology Research specialisation must undertake the compulsory courses in order to meet APAC accreditation and therefore an enrolment variation will be necessary. The suggested enrolment pattern for these students will be as follows:

Course	Year of program and trimester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Tri	Year	Tri	Year	Tri	
PSY4020 Ethical and Professional Practice					1	1	Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (Psychology major 12302) or BSHP or MSCR (Psychology Research)
PSY4111 Advanced Research Approaches					1	1	Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (12302 Psychology) or BSHP or MRES (19112 Psychology). BPSH students need to apply for manual enrolment in this course.
RES9515 Masters Research Project 2 (H)	1	1			1	1	Pre-requisite: Students must be enrolled in the following Program: MRES
PSY4070 Assessment and Interview Skills					1	2	Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (12302 Psychology) or BSHP or MRES (19112 Psychology). BPSH students need to apply for manual enrolment in this course.
PSY4040 Psychological Interventions					1	2	Pre-requisite: Students must be enrolled in one of the following Programs: BSCH (12302 Psychology) or BSHP or MRES (19112 Psychology). BPSH students need to apply for manual enrolment in this course.
RES9515 Masters Research Project 2 (H)					1	2	Pre-requisite: Students must be enrolled in the following Program: MRES
RES9517 Masters Research Project 4 (H)					2	1	Pre-requisite: Students must be enrolled in the following Program: MRES
RES9517 Masters Research Project 4 (H)					2	2	Pre-requisite: Students must be enrolled in the following Program: MRES

Doctor of Applied Science (DASC) - DASC

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should contact us.

	External*
Start:	No new admissions
Campus:	
Fees:	Domestic full fee paying place International full fee paying place Research Training Program (RTP) - Fees Offset scheme
Standard duration:	Full-time candidates normally complete in 3 years. Part-time candidates normally complete in 6 years.

Footnotes

* This program is offered in Distance/External mode only, however students may choose to enrol in the on-campus or external offerings of courses where available.

Contact us

Current students
Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 usq.support@usq.edu.au

Program aims

Provide science graduates with advanced professional development that makes a significant, original contribution to science in the context of professional practice.

Program objectives

Graduates will demonstrate:

(1) A systematic and critical understanding of a complex scientific field with specialised research skills for the advancement of professional scientific practice;
(2) A systematic and critical understanding of a substantial and complex body of knowledge at the frontier of science;
(3) Specialised cognitive, technical and research skills to independently and systematically
- critically evaluate relevant professional scientific literature
- implement required scientific research methodologies
- disseminate new results and insights to scientific peers and
- generate original knowledge and understanding to make a substantial contribution to science;

(4) Autonomy, professional judgement, adaptability and responsibility as an expert practitioner in science.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of a relevant Australian university Bachelor degree with First Class Honours or Second Class Honours (Division A), or equivalent
  Or

Completion of an Australian university Masters degree (with a research component), or other qualifications equivalent to First Class or 2A Honours.
- English Language Proficiency requirements for Category 3.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Research Training Program (RTP) - Fees Offset scheme

All Australian citizens, Australian permanent residents and New Zealand citizens commencing a Higher Degree by Research (HDR) program will have their tuition fees paid by the Australian Commonwealth Government under the Research Training Program (RTP) Fees Offset scheme. The RTP Fees Offset scheme covers program fees for an HDR student up to a maximum period of four years for full-time study or up to eight years part-time study for a Doctoral program, and up to a maximum period of two years for full-time or four years part-time for a Masters by Research program.
As part of the enrolment process, students are required to submit proof of citizenship or permanent residency status and transcripts of all previous academic study. This documentation enables the University of Southern Queensland to determine eligibility for an RTP Fees Offset place.

If a student's RTP Fees Offset entitlement expires before completion of the program, the student will be required to pay full tuition fees.

Students eligible for an RTP Fees Offset place are those who:

- have not used RTP Fees Offset funding in the previous three years; or
- have already used RTP Fees Offset funding and have successfully completed an HDR program. Once a student completes an HDR program, full entitlements of RTP Fees Offset are restored.

The Australian Commonwealth Government’s contribution to program fees must be acknowledged on all published material relating to a research project via a statement identifying the support received through the RTP Fees Offset scheme.

Program structure

This program is a 24-unit program made up of eight units of academic coursework courses and 16 units of independent research.

Note that as part of their coursework students will normally complete MSC8001 and MSC8002 to gain research experience, but if the student can demonstrate substantial prior research experience (such as through the

completion of a relevant honours degree) the Program Coordinator may approve replacement of MSC8001 and MSC8002 with approved courses. Students who wish to apply for exemptions/credit based on the UniSQ Credit and Exemption Procedure should seek advice from the Program Coordinator via Contact UniSQ.

Program completion requirements

The award of a Doctor of Applied Science requires the successful completion of:

- all eight coursework courses
- an external examination of the student's thesis.

Required time limits

Full-time candidates normally complete in 3 years. Part-time candidates will normally complete the program within 6 years of part-time study.

IT requirements

Access to an up-to-date computer is necessary. On-campus students can access appropriately equipped laboratories, but should consider acquisition of their own computer. External students should be able to access a computer with the following minimum standards as advised by the University. All students should have access to email and the Internet via a computer running the latest versions of Internet web browsers such as Internet Explorer or Firefox. The University has a wireless network for on-campus students' computers. In order to take advantage of this facility and further enhance their on-campus learning environment, students should consider purchasing a notebook/laptop computer with wireless connectivity. A notebook/laptop may be required for some courses.

Exit points

Candidates who complete the eight units of coursework only may satisfy the requirements for the Graduate Diploma of Science.

Credit

Exemptions/credit will be assessed based on the UniSQ Credit and Exemption Procedure.

Enrolment

Candidates for admission to the program should note that some of the courses specify enrolment requirements. This will mean that successful applicants may be enrolling in courses for which they do not have sufficient pre-requisite knowledge. Applicants should refer to the courses specifications to determine the enrolment requirements for the courses they intend enrolling in. Candidates will be expected to rectify any deficiencies in their pre-requisite knowledge by private study, guided if necessary by the examiners of the relevant courses.

Recommended enrolment pattern - full-time

Candidates must complete 8 units of coursework and 16 units of research project courses as specified below.

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Course Work - Students must complete 8 units coursework as follows. These courses can be taken via either part-time or full-time program enrolment. Before enrolling in any courses, candidates should read the section entitled Enrolment Requirements. Students must complete their coursework units before enrolling in the research units (i.e. RES9503). Replacement of MSC8001 and MSC8002 with electives requires the approval of the Program Coordinator. If MSC8001 and MSC8002 are taken it is recommended that SCI6101 is co-requisite for MSC8001 and							

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
SCI6102 is a co-requisite for MSC8002. Both MSC8001 and MSC8002 (if taken) should be completed prior to RES9501 or RES9503.							
SCI6101 Science in Practice*					1	1,2	
MSC8001 #	1	1,2			1	1,2	
Or							
Level 8 elective (subject to approval)*	1	1	1	1			
Level 8 elective (subject to approval)*	1	1,2	1	1,2			
SCI6102 Research Skills*					1	1,2	
MSC8002 #	1	1,2			1	1,2	
Level 8 elective (subject to approval)*	1	1,2	1	1,2			
Research Work - Students must also complete 16 units of Doctoral research units as follows:							
RES9503 Doctoral Research Project 4 (High cost)§†			2,3	1,2			Pre-requisite: Student must be enrolled in one of the following Programs: MPHD or D PHD or DOHH or DASC

Footnotes

* One unit
\# Two units
§ Four units
† Students re-enrol in this course each semester.

Recommended enrolment pattern - part-time

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Course Work - Students must complete 8 units coursework as follows. These courses can be taken via either part-time or full-time program enrolment. Before enrolling in any courses, candidates should read the section entitled Enrolment Requirements. Students must complete their coursework units before enrolling in the research units (i.e. RES9501). It is recommended that SCI6101 is co-requisite for MSC8001 and SCI6102 Research Skills is a co-requisite for MSC8002. Both MSC8001 and MSC8002 should be completed prior to RES9501 or RES9503.							
SCI6101 Science in Practice*					1	1,2	
SCI6102 Research Skills*					1	1,2	
Level 8 elective (subject to approval)*	1,2	1,2	1,2	1,2			
Level 8 elective (subject to approval)*	1,2	1,2	1,2	1,2			
MSC8001 #	2	1,2			2	1,2	
Or							
Level 8 elective (subject to approval)*	2	1,2	2	1,2			
MSC8002 #	2	1,2			2	1,2	
Or							
Level 8 elective (subject to approval)*	2	1,2	2	1,2			

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Research Work - Students must also complete 16 units of Doctoral research units as follows:							
RES9501 Doctoral Research Project 2 (High cost)^†§			3–6	1,2			Pre-requisite: Student must be enrolled in one of the following Programs: DPHD or DOHH or DASC

Footnotes

* One unit
\# Two units
^ Depending on the study area taken these courses may be replaced by other courses approved by the Program Coordinator.
† Students re-enrol in this course each semester.
§ Four units

Doctor of Business Administration (DBAR) - DBA

CRICOS code (International applicants): 077414G

This program is offered only to continuing students. No new admissions will be accepted. Students who are interested in this study area should contact us.

	On-campus	External
Start:	No new admissions	No new admissions
Campus:	Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place Research Training Program (RTP) - Fees Offset scheme	Domestic full fee paying place International full fee paying place Research Training Program (RTP) - Fees Offset scheme
Standard duration:	Full-time candidates normally complete in 3 years. Part-time candidates normally complete in 6 years. Students have a maximum of 4 years (full-time) or 8 years (part-time) to complete this program.	
Program articulation:	From: Master of Business Administration; Master of Project Management	

Notes:

Where credit is granted, maximum and minimum duration will be adjusted in the same proportion as credit, for example, where the maximum of four units of credit is granted, maximum time will be four years.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study @usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Program aims

The program provides a high-level, professional oriented program of study that gives students who are already business professionals, an advanced theoretical and empirical understanding of business challenges to enable them to identify and resolve these challenges in both the private and public sectors.

Program objectives

On successful completion of the Doctor of Business Administration program students will be able to:

- apply relevant theoretical knowledge to contemporary business problems
- critique contemporary organisational practice in the light of relevant theory
- determine, apply and evaluate the effectiveness and rigour of research methods to business problems
- critically evaluate business research studies in order to assess their quality and applicability in improving the effective handling of business management problems
- demonstrate superior oral and written communications skills relevant to business
- analyse research data and reflect critically on the analysis.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 10. Graduates at this level will have systematic and critical understanding of a complex field of learning and specialised research skills for the advancement of learning and/or for professional practice.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university coursework Masters degree or equivalent, and five years' work experience including at least two years' work experience in a managerial position.
- Submission of a satisfactory preliminary research proposal, as determined by the Higher Degrees Review and Admissions Committee.
- English Language Proficiency requirements for Category 3.

Notes:

Admission to the Doctor of Business Administration is dependent upon the Faculty's capacity to supervise the proposed thesis. Prospective candidates should contact the Faculty of Business, Education, Law and Arts for up-to-date information regarding research areas before preparing their preliminary thesis proposals.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Research Training Program (RTP) - Fees Offset scheme

All Australian citizens, Australian permanent residents and New Zealand citizens commencing a Higher Degree by Research (HDR) program will have their tuition fees paid by the Australian Commonwealth Government under the Research Training Program (RTP) Fees Offset scheme. The RTP Fees Offset scheme covers program fees for an HDR student up to a maximum period of four years for full-time study or up to

eight years part-time study for a Doctoral program, and up to a maximum period of two years for full-time or four years part-time for a Masters by Research program.
As part of the enrolment process, students are required to submit proof of citizenship or permanent residency status and transcripts of all previous academic study. This documentation enables the University of Southern Queensland to determine eligibility for an RTP Fees Offset place.

If a student's RTP Fees Offset entitlement expires before completion of the program, the student will be required to pay full tuition fees.

Students eligible for an RTP Fees Offset place are those who:

- have not used RTP Fees Offset funding in the previous three years; or
- have already used RTP Fees Offset funding and have successfully completed an HDR program. Once a student completes an HDR program, full entitlements of RTP Fees Offset are restored.

The Australian Commonwealth Government’s contribution to program fees must be acknowledged on all published material relating to a research project via a statement identifying the support received through the RTP Fees Offset scheme.

Program structure

The Doctor of Business Administration is a 24-unit program comprising 4 coursework courses from the Master of Business Administration (MBA) specialisation courses, 2 units of research coursework and 18 units of research. Students are required to undertake:

- 4 coursework courses from the MBA specialisation courses. If a supervisor evaluates that the applicant should build more specific prior knowledge in a particular specialist area that is vital to the research topic, then the applicant can be required to complete up to four relevant specialisation courses from the MBA
- RSH8000 Introduction to Research and RSH8001 Research Methods which must be completed successfully before progressing to the research thesis
- plus an externally examined research thesis normally comprised of 18 units.

Note: The thesis courses are offered in three course codes: DBA9100 Doctor of Business Administration Thesis A which is a 1-unit course, DBA9200 Doctor of Business Administration Thesis B which is a 2-unit course and DBA9400 Doctor of Business Administration Thesis C which is a 4-unit course. This structure allows students to enrol in the appropriate course load level depending on their enrolment status (full time versus part time) and depending on their completion of the two coursework units. A full-time equivalent load is equal to 4 unit points per semester.

Student progress and achievement will be measured by student performance in the initial two research training courses and thereafter will be evidenced by their achievement of research milestones as documented by successful confirmation of candidature and ongoing assessment of research progression reported in progress reports.

Required time limits

Full-time students normally complete in 3 years. Part-time candidates normally complete in 6 years. Students have a maximum of 4 years (full-time) or 8 years (part-time) to complete this program.

IT requirements

For information technology requirements please refer to the minimum computing standards.

Other program requirements

Students must complete successfully all coursework before progressing to the research thesis.

Should students wish to change their proposed research topic, they must apply for permission to do so to the Faculty of Business, Education, Law and Arts, stating their reasons and providing a new research proposal.

It is recommended that Australian students visit their supervisors at least once each year while they are completing their thesis. For overseas students, visits by Faculty staff could be arranged through the University's agents/partners, subject to minimum numbers.

Students must maintain good standing in this program. Please refer to the Academic Standing, Progression and Exclusion Procedure.

Exit points

Students are able to exit with a Graduate Certificate of Business Research (GCBR) or Graduate Diploma of Business Research (GDBR) provided they meet the relevant requirements for the programs. Students can transfer to the lower award of Master of Business Research (MBSR) (AQF9) provided all requirements for the award of the MBSR are satisfied.

Credit

Normally no credit will be granted in this 24-unit research program. However, an applicant may have specialist knowledge built up in their previous Master's degree or in a Master of Business Administration (MBA) specialisation as well as extensive working experience in their area of interest. The candidate may be granted up to four units of credit for the MBA specialisation courses based on their completed postgraduate studies and relevant extensive experience.

Recommended enrolment pattern - full-time

It is recommended that students complete all of RSH8000 Introduction to Research and RSH8001 Research Methods before commencing the Doctor of Business Administration Thesis courses.

The flexibility of the DBA means that there will be a range of enrolment patterns and many students will have a unique enrolment pattern. Students requiring assistance should contact the Faculty of Business, Education, Law and Arts. A suggested enrolment pattern for a student commencing in semester 1 is set out in the following table:

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
RSH8000 Introduction to Research	1	1			1	1		
RSH8001 Research Methods	1	1			1	1		
Coursework course from the Master of Business Administration specialisation	1	1			1	1		
Coursework course from the Master of Business Administration specialisation	1	1			1	1		
Coursework course from the Master of Business Administration specialisation	1	2			1	2		
Coursework course from the Master of Business Administration specialisation	1	2			1	2		
DBA9200 Doctor of Business Administration Thesis B*	1	2			1	2	Co-requisite: RSH8000 and RSH8001	2 units
DBA9400 Doctor of Business Administration Thesis C*	2	1			2	1		4 units
DBA9400 Doctor of Business Administration Thesis C*	2	2			2	2		4 units
DBA9400 Doctor of Business Administration Thesis C*	3	1			3	1		4 units
DBA9400 Doctor of Business Administration Thesis C*	3	2			3	2		4 units

Footnotes

* For the thesis component of their studies, students should enrol in either DBA9100, DBA9200 or DBA9400.

Recommended enrolment pattern - part-time

It is recommended that students complete all of RSH8000 Introduction to Research and RSH8001 Research Methods before commencing the Doctor of Business Administration Thesis courses.

The flexibility of the DBA means that there will be a range of enrolment patterns and many students will have a unique enrolment pattern. Students requiring assistance should contact the Faculty of Business, Education, Law and Arts. A suggested enrolment pattern for a student commencing in semester 1 is set out in the following table:

Course	Year of program and semester in which course is normally studied						Enrolment requirements	Comments
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
RSH8000 Introduction to Research	1	1			1	1		
Coursework course from the Master of Business Administration specialisation	1	1			1	1		
RSH8001 Research Methods	1	2			1	2		
Coursework course from the Master of Business Administration specialisation	1	2			1	2		
Coursework course from the Master of Business Administration specialisation	2	1			2	1		
Coursework course from the Master of Business Administration specialisation	2	1			2	1		
DBA9200 Doctor of Business Administration Thesis B*	2	2			2	2	Co-requisite: RSH8000 and RSH8001	2 units
DBA9200 Doctor of Business Administration Thesis B*	3	1			3	1	Co-requisite: RSH8000 and RSH8001	2 units
DBA9200 Doctor of Business Administration Thesis B*	3	2			3	2	Co-requisite: RSH8000 and RSH8001	2 units
DBA9200 Doctor of Business Administration Thesis B*	4	1			4	1	Co-requisite: RSH8000 and RSH8001	2 units
DBA9200 Doctor of Business Administration Thesis B*	4	2			4	2	Co-requisite: RSH8000 and RSH8001	2 units
DBA9200 Doctor of Business Administration Thesis B*	5	1			5	1	Co-requisite: RSH8000 and RSH8001	2 units
DBA9200 Doctor of Business Administration Thesis B*	5	2			5	2	Co-requisite: RSH8000 and RSH8001	2 units
DBA9200 Doctor of Business Administration Thesis B*	6	1			6	1	Co-requisite: RSH8000 and RSH8001	2 units
DBA9200 Doctor of Business Administration Thesis B*	6	2			6	2	Co-requisite: RSH8000 and RSH8001	2 units

Footnotes

* For the thesis component of their studies, students should enrol in either DBA9100, DBA9200 or DBA9400.

Doctor of Philosophy (DPHD) - PhD

CRICOS code (International applicants): 088073M

	On-campus	External
Start:	Research 1 (January) Research 2 (February) Research 3 (April) Research 4 (May) Research 5 (July) Research 6 (August) Research 7 (September) Research 8 (November)	Research 1 (January) Research 2 (February) Research 3 (April) Research 4 (May) Research 5 (July) Research 6 (August) Research 7 (September) Research 8 (November)
Campus:	Ipswich, Springfield, Toowoomba	-
Fees:	Domestic full fee paying place International full fee paying place Research Training Program (RTP) - Fees Offset scheme	Domestic full fee paying place International full fee paying place Research Training Program (RTP) - Fees Offset scheme
Standard duration:	Can be studied full-time or part-time (full-time students normally complete in 3 to 4 years).	

Notes:

International students pay full fees unless allocated an UniSQ fees scholarship.

Contact us

Future Australian and New Zealand students	Future International students	Current students
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Program aims

The Doctor of Philosophy (PhD) degree is awarded for research which demonstrates that the student has the capacity to conduct research and make a significant contribution to new knowledge.

Cotutelle

The University of Southern Queensland offers a Cotutelle PhD program as an alternative pathway to achieving the PhD, which enables the student to conduct research across two universities.

The Cotutelle PhD program is subject to the terms specified in the Cotutelle agreement.

Program objectives

Graduates of this program should be able to:

(1) Investigate a substantial, complex and relevant area of research with specialised research skills that enable them to advance their discipline.
(2) Critically evaluate relevant research literature, theoretical propositions, methodologies and findings to design and conduct original research.

(3) Cogently present, verbally and in writing research findings which include propositions, creative works, insights and conclusions to their peers and professional community.
(4) Independently and systematically apply specialised technical and research skills to plan and execute a research project, undertake research ethically according to the discipline standards and generate new knowledge and original insights that make a contribution to their discipline.
(5) Apply principles of integrity, research ethics, judgement, adaptability and responsibility in ways appropriate to an expert in their discipline.

Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 10. Graduates at this level will have systematic and critical understanding of a complex field of learning and specialised research skills for the advancement of learning and/or for professional practice.

The full set of levels criteria and qualification type descriptors can be found by visiting www.aqf.edu.au.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of a relevant Australian university bachelor honours degree with First Class Honours or Second Class Honours (Division A) or equivalent (with a thesis comprising at least two units),
  or
- completion of an Australian university Masters degree (with a thesis comprising at least two units) or equivalent,
  or
- other qualifications equivalent to First Class or 2A Honours.

English Language Proficiency requirements for Category 3.

The PhD is based on supervision by a Principal and one or more Associate Supervisors, therefore it is essential that applicants clarify their topic for research and seek an academic staff member able to provide supervision. Application forms, procedures for enrolment, and the application process can be found on the Research website. Applicants are advised to allow several months for discussion with potential supervisors and for consideration of the application prior to the commencement of the program.

Applicants for the Cotutelle PhD program are required to meet the admission requirements at both UniSQ and the partner university.

All students are required to satisfy the applicable English language requirements.

If students do not meet the English language requirements they may apply to study a University-approved English language program. On successful completion of the English language program, students may be admitted to an award program.

Program fees

Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the Course Fee Schedule

Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for FEE-Help.

International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the Course Fee Schedules.

Research Training Program (RTP) - Fees Offset scheme

All Australian citizens, Australian permanent residents and New Zealand citizens commencing a Higher Degree by Research (HDR) program will have their tuition fees paid by the Australian Commonwealth Government under the Research Training Program (RTP) Fees Offset scheme. The RTP Fees Offset scheme covers program fees for an HDR student up to a maximum period of four years for full-time study or up to eight years part-time study for a Doctoral program, and up to a maximum period of two years for full-time or four years part-time for a Masters by Research program.
As part of the enrolment process, students are required to submit proof of citizenship or permanent residency status and transcripts of all previous academic study. This documentation enables the University of Southern Queensland to determine eligibility for an RTP Fees Offset place.

If a student's RTP Fees Offset entitlement expires before completion of the program, the student will be required to pay full tuition fees.

Students eligible for an RTP Fees Offset place are those who:

- have not used RTP Fees Offset funding in the previous three years; or
- have already used RTP Fees Offset funding and have successfully completed an HDR program. Once a student completes an HDR program, full entitlements of RTP Fees Offset are restored.

The Australian Commonwealth Government’s contribution to program fees must be acknowledged on all published material relating to a research project via a statement identifying the support received through the RTP Fees Offset scheme.

Program structure

The Doctor of Philosophy is a 24-unit program. Candidates will be enrolled either part-time or full-time annually.

The award of the Doctor of Philosophy requires the successful examination of the student’s thesis or research outcomes, work based research project/s and professional learning.

The Doctor of Philosophy comprises a minimum of 16 units, although students would normally complete 24 units, with the option to extend to 32 units if needed.

Students will be enrolled in either part-time or full-time courses from date of admission through to the date that they submit their thesis for examination, or alternatively be on approved leave. Failure to enrol or not be on approved leave may result in the student’s enrolment being cancelled. The proposed enrolment pattern for individual students will be checked by the Associate Dean (Graduate Research School).

· The Cotutelle agreement will specify the enrolment pattern for students who elect to complete their PhD through Cotutelle pathway.

Assessment

A student is admitted to this program as a provisional candidate until successful completion of the Confirmation of Candidature process.

The Confirmation of Candidature consists of two components:

- a written document; and
- an oral presentation to a review panel leading to a recommendation on Confirmation of Candidature.

The Graduate Research School will notify students by email when the Confirmation of Candidature is due.

Student progress will be monitored by compulsory Progress Reports. Students who are deemed to be making adequate progress will be awarded an ongoing grade. Those students who fail to submit a report, or who have been deemed to be making little or no progress may be awarded a Fail grade. When the progress is not satisfactory, the student would normally be placed on conditional academic standing and performance management processes will be implemented as per the Academic Standing, Progression and Exclusion Procedure. The Graduate Research School will notify students by email when Progress Reports are due.

The final assessment in the PhD program is the submission of PhD thesis that will be examined as per the Higher Degree Research (HDR) examination schedule outlined below.

The Cotutelle agreement will specify the assessment requirements for students who elect to complete their PhD through Cotutelle pathway.

Program completion requirements

All PhD students must successfully complete appropriate courses, and complete the Confirmation of Candidature process. Finally, a PhD thesis must be submitted for examination.

All PhD students are required to submit a thesis for examination which will be examined by suitably qualified examiners as per the Higher Degree Research (HDR) examination schedule. A PhD degree will only be awarded on the basis of the student successfully completing the thesis examination process.

There is no prescribed minimum length for a doctoral thesis as this will vary with the research topic and the form of presentation, however, there is normally a maximum prescribed length of 100 000 words for doctoral theses. A PhD thesis may be presented in the form of a:

- Standard Thesis
- Thesis by Publication, or
- Thesis with Creative Works.

Examination Criteria for the Standard PhD Thesis and PhD Thesis by Publication

The thesis will be examined according to the following criteria:

(1) The extent to which the student has demonstrated:
  (a) Originality;
  (b) Critical insight; and
  (c) Capacity to carry out independent research; and

(2) The extent of the contribution to knowledge made by the thesis and, in particular, its contribution to the understanding of the subject with which it deals; and
(3) The suitability of the thesis for publication.

Examination Criteria for a PhD with Creative Works

The PhD with Creative Work Component examination criteria includes the student’s demonstrated capacity to produce original creative work. The student’s production of original creative work should be evidenced in the creative work itself together with an exegesis.

Required time limits

Students have a maximum of 4 years (Full-time) or 8 years (Part-time) to complete this program.

The Cotutelle agreement will specify the times limits for students who elect to complete their PhD through Cotutelle pathway.

IT requirements

Students should visit the UniSQ minimum computing standards to check that their computers are capable of running the appropriate software and versions of Internet web browsers and to check the minimum and recommended standards for software.

Credit

Exemptions/credit will be assessed based on the UniSQ Credit and Exemption Procedure.

Recommended enrolment pattern - Full-time students

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study.

Full-time candidates undertaking Low cost research will be enrolled in RES9300 Doctoral Research Project (L) Full-time (1 unit) 8 times per year.

Full-time candidates undertaking High cost research will be enrolled in RES9400 Doctoral Research Project (H) Full-time (1 unit) 8 times per year.

or

The Cotutelle agreement will specify the enrolment pattern for students who elect to complete their PhD through Cotutelle pathway.

Recommended enrolment pattern - Part-time students

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study.

Part-time candidates undertaking Low cost based research will enrolled in RES9100 Doctoral Research Project (L) Part-time (0.5 unit) 8 times per year.

Part-time candidates undertaking High cost research will be enrolled in RES9200 Doctoral Research Project (H)(0.5 units) 8 times per year.

or

The Cotutelle agreement will specify the enrolment pattern for students who elect to complete their PhD through Cotutelle pathway.