

Graduate Certificate of Science (GCSC) - GradCertSci

CRICOS code (International applicants): 069701A

	On-campus*+	External*^
Semester intake:	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	

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 USQ Toowoomba.

^ The Psychology in Schools specialisation is only available via part-time study and is the only specialisation that has a Semester 3 intake.

Contact us

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 support

General	Toowoomba	Online	or external with highly recommended residential schools depending on chosen approved courses
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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 USQ campus.
The Semester 2 intake for the Applied Data Science specialisation will be subject to the approval of the Program Coordinator and may only be av

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 [USQ Credit and Exemption Procedure](#).

Students who have successfully completed [STA2300 Data Analysis](#) should apply for an exemption for [STA8170 Statistics for Quantitative Researchers](#).

Applied Data Science specialisation: Where a student's enrolment pattern does not allow them to complete [STA8170 Statistics for Quantitative Researchers](#) in S1, they may replace it with [STA2300 Data Analysis](#) in S2 or S3, as long as the student completes the required number of Level 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 Coordinator via usq.support@usq.edu.au.

Pre-requisite courses should be taken as a guide to the assumed know

@I ropb	Vb^o l c m o l d o ^ j ^ k a p b j b p q b o f k t e f ^ e ` l r o p b f p k l o j ^ i i v p q r a f b a						Obp f a b k q f ^ i p ` e l l i	B k o l i j b k q o b n r f o b j b k q p
	L k * ^ ^ j m r p % L K @ %		B u q b o k ^ i % B U Q %		L k i f k b % L K I %			
	Vb^o	Pb j	Vb^o	Pb j	Vb^o	Pb j		
ENV4106 Irrigation Science		2				2		Pre-requisite: AGR3304 or Students must be enrolled in one of the following Program s: GCEN or METC or MEPR or GCNS or GDNS or MENS
REN3302 Sustainable Resource Use		2		2				

Footnotes

- # Industry Placement may be available subject to approval of the Program Coordinator 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

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.

@I ropb	Vb^o l c m o l d o ^ j ^ k a p b j b p q b o f k t e f ^ e ` l r o p b f p k l o j ^ i i v p q r a f b a						B k o l i j b k q o b n r f o b j b k q p
	L k * ^ ^ j m r p % L K @ %		B u q b o k ^ i % B U Q %		L k i f k b % L K I %		
	Vb^o	Pb j	Vb^o	Pb j	Vb^o	Pb j	
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

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.

@I ropb	Vb^o l c m o l d o ^ j ^ k a p b j b p q b o f k t e f ^ e ` l r o p b f p k l o j ^ i i v p q r a f b a						B k o l i j b k q o b n r f o b j b k q p
	L k * ^ ^ j m r p % L K @ %		B u q b o k ^ i % B U Q %		L k i f k b % L K I %		
	Vb^o	Pb j	Vb^o	Pb j	Vb^o	Pb j	
STA8170 Statistics for Quantitative Researchers *		1				1	Enrolment is not permitted in STA8170 if STA2300 Data Analysis or STA3100 Evaluating Information has been previously completed.
CSC1401 Foundation Programming		1,2				1,2,3	
CSC8001 Introduction to Data Science and Visualisation		2				2	
CSC8002 Big Data Management		2				2	Pre-requisite or Co-requisite: CSC1401 and STA2300

Footnotes

- * Not available in on-campus mode in 2019

Mathematics for Primary/Middle School Teaching specialisation recommended enrolment pattern - part-time

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.

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.

@l ropb	Vb^o l c mo l do^ j ^ka pb j bpqbo fk t ef^ e `l ropb fp klo j ^iiv p qrafba						Obpfabkqf^i p`e l l i	Bk o l i j bkq obnr fob j bkq
	L k*^ ^ j m r p %L K @&		Buqbok^i %BUQ&		L kifkb %L K I &			
	Vb^o	Pb j	Vb^o	Pb j	Vb^o	Pb j		
PSY8145 Research Skills in Psychology for Teachers ^{#*}				3			M	Pre-requisite: Students must be enrolled in the following Program: GCSC
PSY8146 Psychology Capstone Studies ^{+*}				1			M	Pre-requisite: PSY8145

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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

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.

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 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](#).