Graduate Diploma of Mathematics (GDMA) - GradDipMath

CRICOS code (International applicants): 031448M

	On-campus	Distance education
Semester intake:	Semester 1 (March) Semester 2 (July)	Semester 1 (March) 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:	1 year full-time, 2 years part-time	

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: studysci@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: usqassist@usq.edu.au

Program focus

This program gives graduates from a non-mathematical area the opportunity to gain knowledge and skills in areas of mathematics that are relevant to their professional or industrial careers.

Program aims

The program aims to provide an opportunity for graduates in programs other than Mathematics to gain skills in key areas of mathematics that relate to the needs of their profession or industry.

Program objectives

Successful completion of the program will enable graduates to:

- acquire specific knowledge and skills in mathematics which are relevant to their disciplines and careers
- become better problem solvers and innovative thinkers and thus be able to contribute at a higher level to their professional environment
- understand the meaning and basis of fundamental mathematical ideas and techniques
- demonstrate the ability to model real-life scenarios in order to enable mathematical analysis
- demonstrate the ability to apply mathematics to the solution of problems in a variety of situations.

Admission requirements

Entrants to this program must either:

- hold a bachelor's degree or a three-year diploma in a non-Mathematics discipline from an Australian university
- hold a degree from a recognised university in a non-Mathematics discipline, or
- have an approved qualification at least equivalent of the above.

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Note: Applicants whose degree or equivalent qualifications include a major in mathematics or statistics will not normally be eligible for admission. In such instances, a case for admission will need to be made to the Head of Department.

International Applicants

International applicants must have met the University's English language requirements or have completed the University's ELICOS/EAP programs .

How to apply

Domestic students

Application for postgraduate programs may be made directly to USQ. You should ensure you submit your application by the closing dates.

International students

This program is offered to international students. An international student is a person who is not an Australian or New Zealand citizen and not an Australian permanent resident. Please refer to USQ International for information about entry requirements, visa arrangements and how to apply.

Program fees

Commonwealth supported place
A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of your higher education and you as a student pay a student contribution amount, which varies depending on the courses undertaken. You are able to calculate the fees for a particular course via the Course Fee Finder. 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. You are able to calculate the fees for a particular course via the Course Fee Finder.
Domestic full fee paying students may be eligible to defer their fees through a Government loan called 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, via distance education/online. You are able to calculate the fees for a particular course via the Course Fee Finder.

Program structure

The program consists of eight units of study. The courses studied will depend on the student's background in mathematics but at least five will be courses from the Mathematics and Statistics major of the Bachelor of Science.

Students must complete any eight courses from the following table, provided that at least two Level 3 courses are completed.

Level 1	Level 2	Level 3 (at least two courses from:)
MAT1100 Foundation Mathematics	CSC2401 Algorithms and Data Structures	
MAT1101 Discrete Mathematics for Computing	CSC2409 High Performance Numerical Computing	

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MAT1102 Algebra and Calculus I or MAT1502 Engineering Mathematics 2	MAT2100 Algebra and Calculus II or MAT2500 Engineering Mathematics 3	MAT3105 Harmony of Partial Differential Equations#
MAT1200 Operations Research 1	STA2300 Data Analysis	MAT3103 Mathematical Modelling for Dynamics#
CSC1401 Foundation Programming	STA2301 Distribution Theory	MAT3104 Random Processes to Financial Mathematics*
MAC1901 Mathematics for Teachers	STA2302 Statistical Inference	MAT3201 Operations Research 2*
		STA3300 Experimental Design
		STA3301 Statistical Models

Footnotes

Available in even-numbered years (e.g. 2010, 2012).
* Available in odd-numbered years (e.g. 2011, 2013).

Required time limits

Students have a maximum of 3 years to complete this program.

IT requirements

Students should visit the USQ Recommended Hardware and Recommended Software sites 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.

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 Undergraduate Coordinator, Mathematics and Computing. 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.

Recommended enrolment pattern

There is no recommended enrolment pattern for this program. Students should select their own. If unsure about a suitable enrolment pattern, students should contact the Program Coordinator.

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