MASTER OF MATHEMATICS
PROGRAM CODE: 8719
NEW FOR 2014

The program is intended for students who have completed a Mathematics or Statistics degree in a Science and/or Mathematics program, or a degree in a related area, and who wish to further their knowledge of mathematical sciences. The program offers intensive, high level training in principles of mathematical sciences. In particular, the program will develop students research and analytic skills, and substantially broaden the knowledge gained from prior studies. This program will equip you with a range of skills demanded by today’s employers, and will provide a means of obtaining the necessary preparation for further research in Mathematics.

Program Objectives & Graduate Attributes

- Graduates will have acquired advanced disciplinary knowledge and skills in mathematical science, and an ability to apply these in a range of contexts;
- Graduates will have developed an understanding of enquiry-based learning and demonstrate analytical skills as they relate to mathematical sciences;
- Graduates will have developed advanced critical thinking and problem solving skills;
- Graduates will be able to communicate effectively to a range of audiences in both written and oral forms, and be capable of independent and collaborative enquiry and working effectively with others.

Program Structure

Each candidate’s proposed program of study requires the approval of the Postgraduate Coordinator.

The total number of units of credit (UoC) required for the program is 72 (UoC) and is comprised of 10 courses worth 60 (UoC), and a compulsory supervised project worth 12 (UoC).

The Research Project

The 12 (UoC) research project course is compulsory for all students. Students typically enrol into the project in their 2nd semester of study or after completing 24 (UoC) of courses.

Students seeking to enrol into a project after completing 4 courses 24 (UoC) are required to have the approval of the PG Coordinator and normally will be required to have attained a WAM of 70 or higher.
The Project is taken over 2 consecutive semesters commencing in the 2nd semester of study or after 24 (UoC) of courses.

Admission into a particular project is subject to appropriate research and supervision resources being available. The project will be supervised by an academic staff member of the School in an area agreed to by the student and supervisor. The project could include a literature survey and a critical analysis of the topic area; or could be a small research project.

Students should also seek the guidance from the School at an early stage of study to ensure that the study plan being followed is best suited to lead to the project.

Coursework Courses 60 (UoC)

Students may choose from a wide variety of courses within the School of Mathematics and Statistics. The courses to be offered in each year are described on the School's web site.

Students are permitted to take up to 3 courses 18 (UoC) outside the School of Mathematics and Statistics provided that the courses are at a postgraduate level and approved by the Postgraduate Coordinator.

Fees

For information regarding fees for UNSW programs, please refer to the following website:

https://my.unsw.edu/student/fees/FeesMainPage.html

Admission Requirements

To gain entry to this program, students must:

- Have completed a Bachelor of Mathematics or a Bachelor of Science with a major in Mathematics or Statistics; and
- Have sufficient mathematical and/or statistical background, as indicated by an average above 65 or above in the level III mathematics and/or statistics university courses.

Honours graduates in Mathematics or Statistics may receive advanced standing. This should be discussed with the PG Coordinator.

Program Exit Provisions

Students who do not have the required 70 WAM to progress to the project will be permitted to transfer. Students enrolled in this program will be permitted to exit with a Graduate Certificate in Mathematics and Statistics (program 7659) or transfer into the Graduate Diploma in Mathematics and Statistics (program 5659) subject to completing program requirements.