MASTER OF STATISTICS
PROGRAM CODE: 8750

The program is intended for students who have completed a Mathematics or Statistics major in a Bachelor of Science or Bachelor of Mathematics program, or in a related area, and who wish to further their knowledge of statistics. The Master of Statistics is the longest running program of its kind in Australia. It covers a wide range of statistical theory and practice and provides advanced training for those who are currently, or are aiming to become, practicing statisticians. In addition, the program will provide a means of obtaining the necessary preparation for further research in Statistics.

Program Objectives and Graduate Attributes

Graduates will have acquired advanced disciplinary knowledge and skills in statistics, 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 statistics;

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 program consists of 72 Units of credit (UoC) and is comprised of 12 (UoC) of compulsory core coursework courses, a compulsory supervised project worth 12 (UoC) and 48 (UoC) of electives chosen from the School of Mathematics and Statistics or with the approval of the PG Coordinator 18 (UoC) of electives can be taken from other areas of the university provided they are at Postgraduate level.

Core Courses 12 (UoC)

The core set of compulsory courses, listed below, is designed to give a deep knowledge of the fundamentals of statistics

MATH5835 Stochastic Processes 6 (UoC)
MATH5906 Statistical Inference 6 (UoC)
The 12 (UoC) project is compulsory for all students typically enrol into it in their third semester of study, and enrolment is subject to academic performance.

**MATH5925 Project - 12 (UoC)**

Students seeking to enrol into a project are required to have the approval of the PG Coordinator and normally will be required to have attained a WAM of 70 or higher in the first eight courses of the program.

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.

**Admission Requirements**

To gain entry to this program, students must:

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

Honours graduates in mathematics or statistics may receive advanced standing of up to a maximum of 24 (UoC) and may complete the degree with 48 (UoC), or within one year of full time study. In addition, students must have permission of the PG Coordinator.

Prospective international students should note they will need to meet the university English language requirements. Information regarding these requirements can be found: [www.unsw.edu.au/english-requirements-policy](https://www.unsw.edu.au/english-requirements-policy)

**Program Exit Provisions**

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

**For further information please contact:**

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AUSTRALIA  
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www.maths.unsw.edu.au  

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**Fees**

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

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

**Elective Courses 48 (UoC)**

Students may choose the remaining courses from a list of elective graduate level courses from the School of Mathematics and Statistics. The courses to be offered in each year are described on the School’s web site.

Students are allowed to take up to 3 courses 18 (UoC) outside the School of Mathematics and Statistics.