Program Objectives and Graduate Attributes

Graduates will have acquired advanced disciplinary knowledge and skills in biostatistics, and an ability to apply these in a range of biostatistics and statistics, in general, contexts;

Graduates will have developed an understanding of enquiry-based learning and demonstrate analytical skills as they relate to biostatistics and mathematical sciences;

Graduates will have developed advanced critical thinking and problem solving skills in biostatistics and mathematical sciences;

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 6 compulsory core courses 36 (UoC), 4 elective courses 24 (UoC), and a supervised project worth 12 (UoC).

Core Courses 36 (UoC)

The following courses are compulsory for all students:

MATH5806 Applied Regression Analysis 6 (UoC)
MATH5826 Statistical Methods in Epidemiology 6 (UoC)
MATH5885 Longitudinal Data Analysis 6 (UoC)
MATH5905 Statistical Inference 6 (UoC)
MATH5906 Design & Analysis of Clinical Trials 6 (UoC)
MATH5916 Survival Analysis 6 (UoC)

The 12 (UoC) project course is compulsory for all students. Students typically enrol into it in their third semester of study, and enrolment is subject to academic performance.

MASTER OF BIOSTATISTICS
PROGRAM CODE: 8751

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 biostatistics. It covers a wide range of statistical methodology and applications for students and practitioners who want to work in health-related fields, including medicine, biology, public health and epidemiology.
MATH5925 Project 12 (UoC)
Students seeking to enrol into a project after completing 8 courses 48 (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.

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.

Elective Courses 24 (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 18 (UoC) (3 courses) outside the School of Mathematics and Statistics provided that the courses are at a postgraduate level and approved by the Postgraduate Coursework 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 of 65 or above in 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 much 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

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 70 or above WAM to progress to the project will be permitted to transfer to the Graduate Diploma and complete the program requirements.

For further information please contact:

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