The Degree of Master of Mathematical Sciences (MMathSci - 180 points)

These regulations must be read in conjunction with the General Regulations for the University.

1. Version

(a)   These Regulations came into force on 1 January 2024.
(b)   This degree was first offered in 2022.

2. Variations

In exceptional circumstances the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate may approve a personal programme of study which does not conform to these Regulations.

3. The structure of the qualification

To qualify for the Degree of Master of Mathematical Sciences (MMathSci) a student must complete a total of 180 points including:

(a)   either completed with an endorsement in a single subject with:
    i.   90 points of courses listed in Schedule S: Group 1 to these Regulations,
    ii.   90 points of course listed under the endorsement in Schedule E: Group 1 to these Regulations.
(b)   Completed unendorsed with:
    i.   60 points of courses listed in Schedule S: Group 2 to these Regulations,
    ii.   At least 75 points of courses listed in Schedule E: Group 1 to these Regulations,
    iii.   45 points of courses listed in Schedule E: Group 2 to these Regulations.
(c)   Completed unendorsed with:
    i.   45 points of courses listed in Schedule S: Group 3 to these Regulations,
    ii.   At least 75 points of courses listed in Schedule E: Group 1 to these Regulations,
    iii.   60 points of courses listed in Schedule E: Group 2 to these Regulations.

4. Admission to the qualification

A student for the Degree of Master of Mathematical Sciences (MMathSci), before applying to enrol in the degree, must have:

(a)   qualified for a bachelor's degree in Aotearoa New Zealand, in an area which is relevant to Mathematics, Statistics, Data Science, Financial Engineering and (for the Endorsement in Data Science) Computer Science, or other relevant degree subject to approval of the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate; or been admitted with Academic Equivalent Standing; and
(b)   passed 60 points in relevant 300-level courses with at least a B grade average; and
(c)   met the prerequisites as specified in the BSc (Hons) or BA(Hons) Regulations in at least one relevant subject to allow enrolment in 400-level courses, or higher, to fulfil the Group E requirements; and
(d)

7. Transfers of credit, substitutions and cross-credits

This qualification adheres to the Credit Recognition and Transfer Regulations with no additional stipulations.

8. Progression

This qualification adheres to the General Regulations for the University with the following stipulation:

(a)   A student who fails up to 30 points for the qualification may, with the permission of the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate, repeat that course or courses, or substitute another course or courses of equal weight.

   i.   A student who fails more than 30 points will be withdrawn from the qualification.

(b)   Before seeking progression to an endorsement in the qualification a student must either:

   i.   have completed 60 points of the qualification, including a minimum of 30 points of courses in the subject specified in Schedule E to these Regulations, with a GPA of 5.0 or more; or

   ii.   have completed the Postgraduate Diploma in Science, including courses in the subject specified in Schedule E to these Regulations, with a GPA of 5.0 or more; or

   iii.   been otherwise approved by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate.

9. Honours, Distinction and Merit

This qualification adheres to the General Regulations for the University and may be awarded with Distinction and Merit.

10. Exit and Upgrade Pathways to other Qualifications

(a)   There are no advancing qualifications for this degree.

(b)   A student who has not met the requirements for the MMathSci or who wishes to transfer to the Postgraduate Certificate in Science or to the Postgraduate Diploma in Science may apply to the Amo Matua, Pūtaiao | Executive Dean of Science or delegate for admission. Admission will be based on having met the requirements for entry.

Schedule S: Subject Courses for the Master of Mathematical Sciences

For full course information, go to www.canterbury.ac.nz/courses

Group 1

Pāngarau | Mathematics

Course Code	Course Title	Pts	2024	Location	P/C/R/RP/EQ
MATH697	MMathSci Thesis (Mathematics)	90	A	Campus	P: Subject to approval of the Head of Department

Tatauranga | Statistics

Course Code	Course Title	Pts	2024	Location	P/C/R/RP/EQ
STAT689	MMathSci Thesis (Statistics)	90	A	Campus	P: Subject to approval of the Head of Department

Computational and Applied Mathematics

Course Code	Course Title	Pts	2024	Location	P/C/R/RP/EQ
CAMS689	MMathSci Thesis (CAMS)	90	A	Campus	P: Subject to approval of the Head of Department

Data Science

Course Code	Course Title	Pts	2024	Location	P/C/R/RP/EQ
DATA689	MMathSci Thesis (Data Science)	90	A	Campus	P: Approval by the Head of School

Qualification Regulations

Financial Engineering

Course Code	Course Title	Pts	2024	Location	P/C/R/RP/EQ
FENG689	MMathSci Thesis (Financial Engineering)	90	A	Campus	P: Approval by the Head of School.

Group 2

Course Code	Course Title				

Qualification Regulations