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 2022.
(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) 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 2 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, 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, or with approval from the Head of School; 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) been approved as a student for the degree by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate.

5. Subjects

The qualification, as detailed in 3(b), may be awarded with an endorsement of the following subjects:

(a) Mathematics
(b) Statistics
(c) Computational and Applied Mathematics.

6. Time limits

This qualification adheres to the General Regulations for the University, unless an exemption is granted by the Amo Matua, Pūhanga | Executive Dean of Engineering or delegate, with a time limit of 36 months.

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.

(c) A student who is enrolled in an endorsement under that MMathSci but wishes to transfer to the Bachelor of Science (Honours) degree 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	2022	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	2022	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	2022	Location	P/C/R/RP/EQ
CAMS689	MMathSci Thesis (CAMS)	90	A	Campus	P: Subject to approval of the Head of Department

Group 2

Course Code	Course Title	Pts	2022	Location	P/C/R/RP/EQ
MASC686	MMathSci Project	60	A	Campus	P: Subject to approval of the Head of Department.

Group 3

Course Code	Course Title	Pts	2022	Location	P/C/R/RP/EQ
MASC684	MMathSci Project (45 points)	45	A	Campus	P: Subject to approval of the Head of Department.

Schedule E: Elective Courses for the Degree of Master of Mathematical Sciences

Group 1

Pāngarau | Mathematics

60 points in MATH400–490, and 30 points in 400-level MATH/STAT/DATA410–490 or appropriate courses subject to approval of the Head of School of Mathematics and Statistics.

Tatauranga | Statistics

60 points in STAT400–490 or DATA410–490, and 30 points in 400 level MATH/STAT/DATA410–490 or appropriate courses subject to approval of the Head of School of Mathematics and Statistics.

Computational and Applied Mathematics

60 points of 400-level MATH, STAT, DATA410–490 courses or appropriate courses subject to approval of the Head of School of Mathematics and Statistics.

Note: Under exceptional circumstances and with agreement of the project supervisor and the Tumuaki Kura | Head of School, a student may substitute 15 points of these 400-level courses with another appropriate 400-level course.

Group 2

400-level courses in any other relevant degree subject as approved by the Tumuaki Kura | Head of School and the HOD of the relevant department.