



THE UNIVERSITY OF NOTRE DAME AUSTRALIA

PROGRAM REQUIREMENTS:

Program Code: 5134

MASTER OF MATHEMATICS EDUCATION MMath

Responsible Owner:	National Head of the School of Arts & Sciences
Responsible Office:	Faculty of Arts, Sciences, Law and Business
Contact Officer:	National Manager, Enrolments, Fees & Student Administration
Effective Date:	1 January 2027



THE UNIVERSITY OF
NOTRE DAME
A U S T R A L I A

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2 AMENDMENTS

Amendments to these requirements will be made in accordance with the General Regulations.

Master of Mathematics Education

Version	Date Amended	Amendment Details	Approved by
1	January 2019	New Program	Dean
2	January 2023	Amended from regulations to requirements	
3	August 2026	Separation from combined requirements (de-nested program)	Academic Council

3 PURPOSE

These Program Requirements set out the approved requirements for the Master of Mathematics Education.

4 OVERVIEW

4.1 Campus Availability

The Master of Mathematics Education has been approved for delivery on the Sydney Campus.

4.2 Student Availability

The Master of Mathematics Education are available for enrolment to domestic Students.

4.3 Australian Qualifications Framework

The Master of Mathematics Education is accredited by the University as a Level 9 AQF qualification.

4.4 Duration

The Volume of Learning for the Masters of Mathematics Education is 1.5 years of equivalent full-time study.

A student is only able to enrol in these Awards on a part-time basis.

4.5 Maximum Duration

The maximum period of time within which a student is permitted to complete the Master of Mathematics Education is 6 years (including any periods of approved leave of absence) from the date on which they were first enrolled into the program by the University.

4.6 Study Mode

The Master of Mathematics Education is offered in internal study mode.

4.7 Professional Accreditation

There are no professional accreditation requirements applicable to this Program.

5 ENTRY REQUIREMENTS

5.1 University Admission Requirements

To be eligible for admission to The University of Notre Dame Australia, all applicants must meet the [University's minimum requirements for admission](#). The requirements for admission are detailed in the University's Policy: *Admissions*.

5.2 Academic Requirements

To be eligible for admission to the **Master of Mathematics Education** applicants must meet the following specific requirements:

- Possession of a Bachelor's award (AQF level 7 qualification) or equivalent in Initial Teacher Education.
OR
- Possession of a Bachelor's award (AQF level 7 qualification) and concurrent study in a Master of Teaching (AQF level 9 qualification).

6 PROGRAM REQUIREMENTS

6.1 Program Description: Master of Mathematics Education

The Master of Mathematics Education is designed to further the careers of existing high school teachers by providing them with retraining in the discipline of Mathematics as well as advanced knowledge and skills in Mathematics Education Research and leadership for professional practice. This program is part of a nested sequence and includes the eight courses contained in the Graduate Diploma in Mathematics Education along with three advanced research courses and a leadership course.

6.2 Program Learning Outcomes: Master of Mathematics Education

1. Solve complex problems in Algebra, Geometry, Statistics, Calculus and Discrete Mathematics.
2. Demonstrate critical thinking skills, including formulating and modelling practical and abstract problems in mathematical terms.
3. Apply mathematical principles, concepts, techniques, and technology to solve practical and abstract problems.
4. Communicate theoretical concepts in Mathematics to a range of audiences.
5. Demonstrate the application of knowledge and skills with ethical responsibility and accountability for further learning.
6. Combine theoretical mathematical knowledge with pedagogical approaches to teaching mathematics.
7. Demonstrate knowledge and skills required to undertake leadership roles.
8. Design and execute an action research project to improve teaching practice.

6.3 Required Courses

To be eligible for the award of **Master of Mathematics Education** (in or after 2019) students must complete a minimum of 300 Units of Credit, listed in Appendix C, comprising:

- 25 Units of Credit from one (1) Core Curriculum Course
- 175 Units of Credit from seven (7) required MATH Courses
- 75 Units of Credit from three (3) required ARTS Research Courses.
- 25 Units of credit from one (1) required EDUC course.

Students who commenced the Master of Mathematics Education Program prior to 2019, see Appendix D.

6.4 Course substitutions

Course substitutions, where permitted, must be approved by the National Head of School of Arts and Sciences.

7 DEFINITIONS

For the purpose of these Requirements, the following definitions are available in the General Regulations.

- Leave of Absence
- Units of Credit
- Pre-requisite Course

APPENDIX A: Program Plan Master of Mathematics Education (from 2019)

(For students commencing their study in or after 2019)

Year One					
Semester 1			Semester 2		
Course Code	Course Title	Units of Credit	Course Code	Course Title	Units of Credit
MATH5000	Principles of Mathematics	25	MATH5002	Statistics	25
MATH5001	Linear Algebra	25	MATH5030	Calculus	25
Year 1 Semester 1 Total		50	Year 1 Semester 2 Total		50
Year 1 Total					100
Year Two					
Semester 1			Semester 2		
Course Code	Course Title	Units of Credit	Course Code	Course Title	Units of Credit
MATH5003	Advanced Calculus	25	MATH5080	Teaching Methods in Mathematics	25
MATH5004	Discrete Mathematics	25	PG Core Elective		25
Year 2 Semester 1 Total		50	Year 2 Semester 2 Total		50
Year 2 Total					100
Year Three					
Semester 1			Semester 2		
Course Code	Course Title	Units of Credit	Course Code	Course Title	Units of Credit
ARTS5010	Research Methods	25	ARTS6031	Research Project	25
ARTS6031	Research Project	25	EDUC6420	Instructional Leadership	25
Year 3 Semester 1 Total		50	Year 3 Semester 2 Total		50
Year 3 Total					100
Program Total					300

APPENDIX B: Program Plan Master of Mathematics Education (prior to 2019)

(For students who commenced their enrolment prior to 2019)

YEAR ONE					
SEMESTER ONE			SEMESTER TWO		
Course Code	Course Title	Units of Credit	Course Code	Course Title	Units of Credit
MATH5000	Principles of Mathematics	25	MATH5030	Calculus	25
MATH5070	History & Philosophy of Mathematics	25	MATH5060	Mathematics & Technology	25
Total Units of Credit		50	Total Units of Credit		50
Total Unit of Credit Year One					100
YEAR TWO					
SEMESTER ONE			SEMESTER TWO		
Course Code	Course Title	Units of Credit	Course Code	Course Title	Units of Credit
MATH5020	Advanced Algebra and Geometry	25	MATH5050	Advanced Calculus	25
MATH5090	Research Methods in Mathematics	50	MATH5080	Teaching Methods in Mathematics	25
MATH5100	Research Projects in Mathematics A	25	MATH5101	Research Projects in Mathematics B	25
PHTH6002	Reason and Revelation	25			
Total Units of Credit		125	Total Units of Credit		75
Total Units of Credit Year Two					200
Total Units of Credit Degree					300

Individual Program counselling will determine how students who commenced the Program before 2019 will complete the Program. Course substitution between the two versions of the Program may be possible. See table below.

Pre 2019 Courses		Modified Program courses (from 2019)	
Course Code	Course Title	Course Code	Course Title
MATH5020	Advanced Algebra & Geometry	MATH5001	Linear Algebra
MATH5050	Advanced Calculus	MATH5003	Advanced Calculus
MATH5100	Research Projects in Mathematics A	ARTS6031	Research Project
MATH5101	Research Projects in Mathematics B	ARTS6031	Research Project
MATH5090	Research Methods in Mathematics	ARTS5010	Research Methods

Students may be required to complete these courses:

MATH5002 Statistics

MATH5004 Discrete Mathematics

EDUC6058 Educational Leadership