



THE UNIVERSITY OF NOTRE DAME AUSTRALIA

Program Code: 4204

PROGRAM REQUIREMENTS:

Graduate Diploma of Mathematics Education

GradDipMathEd

Responsible Owner:	National Head of the School of Arts and 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.

Graduate Diploma 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	July 2026	Remove nest from requirements and update program structure. New program code created	Academic Council

3 PURPOSE

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

4 OVERVIEW

4.1 Campus Availability

The Graduate Diploma of Mathematics Education has been approved for delivery on the Fremantle and Sydney Campus.

4.2 Student Availability

The Graduate Diploma of Mathematics Education is available for enrolment to domestic Students.

4.3 Australian Qualifications Framework

The Graduate Diploma of Mathematics Education is accredited by the University as a Level 8 AQF qualification.

4.4 Duration

The Volume of Learning for the Graduate Diploma of Mathematics Education is 1.25 years of equivalent full-time study.

This Program is only available Part-time.

Advanced standing is available for applicants who are approved secondary teachers with no previous undergraduate studies in mathematics, this reduces the duration to 1.0 year of equivalent full-time study.

4.5 Maximum Duration

The maximum period of time within which a student is permitted to complete the Graduate Diploma of Mathematics Education Award is 4 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 Graduate Diploma of Mathematics Education is offered in Online, Internal and Multimode Study modes. This means all MATH courses will be offered online, and some courses in the program are offered in Internal Study mode (requiring face-to-face, on campus attendance) and some courses in External 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 Specific Program Requirements for Admission

To be eligible for admission to the Graduate Diploma of Mathematics Education applicants must also meet the following specific requirements:

Approved primary teachers – no previous undergraduate studies in mathematics

- 5.2.1 An accredited AQF 7 (or higher) qualification in primary education with no previous undergraduate studies in mathematics; and
- 5.2.2 Approval to teach primary school in Australia; or

Approved secondary teachers – no previous undergraduate studies in mathematics

- 5.2.3 An accredited AQF 7 or higher qualification in secondary education with no previous undergraduate studies in mathematics; and
- 5.2.4 Approval to teach secondary school in Australia.
- 5.2.5 In accordance with the [University Procedure: Credit](#), applicants for the Graduate Diploma of Mathematics Education who are approved secondary teachers with no previous undergraduate studies in mathematics are eligible for 50 Units of Credit of advanced standing.
- 5.2.6 Where advanced standing is granted as part of admission, the student will be offered unspecified credit, and credit transfer for specifying courses, on condition that the student presents satisfactory evidence of the previous study, professional experience and teacher registration. The National Head of the School of Arts and Sciences may direct the student's selection of courses to ensure that the program learning outcomes are achieved within the reduced volume of learning.

6 PRACTICUM OR INTERNSHIP REQUIREMENTS

- 6.1** Students are required to complete either Professional Experience course depending on campus enrolment, that includes a minimum of 280 hours of practicum:

EDUC6097 Professional Experience 1: Managing Learning Environments – Secondary (Fremantle)
Or
EDUC6098 Professional Experience 1: Managing Learning Environments – Secondary (Sydney)

7 PROGRAM REQUIREMENTS

7.1 Program Description

The Graduate Diploma of Mathematics Education provides a pathway for primary and secondary teachers to retrain in the teaching area of Mathematics. The program has scope to include up to four courses from the Graduate Certificate in Mathematics (including Linear Algebra and Calculus) in Mathematics content, two advanced mathematics courses, three courses in Mathematics Teaching Methods and Curriculum Studies appropriate for years 7-12 teaching, one course that provides a Professional Experience Placement in Secondary Mathematics, and a Postgraduate Core Curriculum Elective course.

The overall aim of this program is to equip teachers to be mathematicians. At the completion of this program, graduates will have gained the ability to think mathematically and are equipped with the skills for life-long learning necessary to self-train in any area of mathematics that might be potentially added following future curriculum reviews.

7.2 Program Learning Outcomes

Upon successful completion of the Graduate Diploma of Mathematics Education graduates will be able to:

1. Solve complex problems in the mathematical areas of Algebra, 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 practical educational approaches to teaching Mathematics

7.3 Required Courses

To be eligible for the award of Graduate Diploma of Mathematics Education students must complete a minimum of 250 of Units of Credit chosen from the courses listed in Appendix A including:

25 Units of Credit from one (1) Core Curriculum Course.

AND

75 Units of Credit from three (3) Prescribed Compulsory MATH Courses.

AND

75 Units of Credit from three (3) Prescribed Elective MATH Courses.

AND

75 Units of Credit from three (3) Prescribed Compulsory EDUC Courses.

7.4 Elective Courses

Students enrolled in the Graduate Diploma of Mathematics Education are required to complete three (3) prescribed elective Math courses (75 Units of Credit). Elective courses can be selected from the approved list of course offerings listed in Appendix A. Where advanced standing is granted, the volume of prescribed elective courses will be reduced to one (1) course (25 Units of Credit).

7.5 Honours

There is no related Honours program for the Graduate Diploma of Mathematics Education.

7.6 Course substitutions

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

8 DEFINITIONS

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

- | | | |
|--------------------|------------------------|-----------------------|
| • Leave of Absence | • Pre-requisite Course | • Co-requisite Course |
| • Major | • Minor | • Specialisation |
| • Units of Credit | • Elective | • General Elective |

9 LIST OF APPENDICES

APPENDIX A: GRADUATE DIPLOMA OF MATHEMATICS EDUCATION

	Units of Credit
One (1) Core Curriculum Course:	
Any Postgraduate Core Curriculum Elective Course*	25
SUBTOTAL	25
*N.B. PHIL6020 Ethical Issues in Professional Life is recommended	
Three (3) Prescribed Compulsory MATH Courses:	
MATH5000 Principles of Mathematics	25
MATH5001 Linear Algebra	25
MATH5030 Calculus	25
SUBTOTAL	75
Three (3)* Prescribed MATH Elective Courses from:	
or MATH5002 Statistics	25
or MATH5003 Advanced Calculus	25
or MATH5004 Discrete Mathematics	25
SUBTOTAL	75*
*N.B. Where advanced standing is granted, the volume of Prescribed MATH Elective Courses is reduced to one (1; i.e. 25 Units of Credit).	
Three (3) Prescribed Compulsory EDUC Courses:	
EDUC6097/6098 Professional Experience (F, S)	25
EDUC6105 Teaching Methods 7-10: Mathematics	25
EDUC6115 Teaching Methods 11-12: Mathematics	25
SUBTOTAL	75
TOTAL	250*

***N.B. Where advanced standing is granted, the total volume is reduced to eight (8) courses, i.e. 200 Units of Credit (1.0 year equivalent of full-time study).**