



THE UNIVERSITY OF NOTRE DAME AUSTRALIA

# Master of Mathematics Education

# Master of Mathematics Education

*School of Arts & Sciences*

***Are you an experienced educator who desires to teach or lead in mathematics? The Master of Mathematics Education at The University of Notre Dame Australia is designed to build capacity in research-led teaching and leadership in the field of mathematics. We aim to address the shortage of mathematics teachers by providing advanced content knowledge to graduates and equipping them with the confidence and skills to be leaders in the field. Contact us today if you think you have what it takes to make the change.***

## **Why study this degree?**

Our Graduate Diploma and Master of Mathematics Education programs are designed to retrain accredited teachers from other disciplines in mathematics as a

teaching area. Live online classes provide the opportunity to learn from lecturers and peers as role models of excellent teaching practice, network, ask questions and gain expert advice.

The programs will enable you to develop deep and flexible content knowledge in pure and applied tertiary-level mathematics. They will also allow you to build your mathematics pedagogy and enhance your capacity to engage your students to work mathematically to solve challenging, real-world problems across science, technology, engineering and mathematics (STEM) fields.

The Master of Mathematics Education will build capacity for research, data-informed teaching and leadership for a future head, highly accomplished or lead mathematics teachers. Qualified secondary mathematics teachers are in high demand across Australia. This program will improve your expertise and career prospects. It also fosters transferable skills such as critical reasoning, problem-solving, ethical judgement, and decision-making. The program has been designed around school terms to assist you in balancing existing work, family and other commitments.

## **Program summary**

- Principles of Mathematics
- Calculus
- Linear Algebra
- Statistics
- Advanced Calculus
- Discrete Mathematics
- Teaching Methods in Mathematics
- 25 Units of Credit from one (1) Practicum Course or

research project

- 25 Units of Credit from one (1) Core Curriculum Course
  - Research Methods
  - Research Project
  - Educational Leadership
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Full details of the program requirements are contained in the Program Requirements

([https://www.notredame.edu.au/\\_data/assets/pdf\\_file/0014/415/Cert-Grad-Dip-Mast-Math.pdf](https://www.notredame.edu.au/_data/assets/pdf_file/0014/415/Cert-Grad-Dip-Mast-Math.pdf)).

## arts&sciences

More information regarding courses can be found at the course descriptions

(<https://www.notredame.edu.au/about/schools/sydney/arts-and-sciences/course-descriptions>) page.

*Please note: The availability of these courses is indicative only and may be subject to change.*

### **Entry 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)

### **Learning outcomes**

## **Upon successful completion of the Master of Mathematics Education graduates will be able to:**

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.

## **Career opportunities**

With a Master of Mathematics Education, your career options include teaching mathematics in Australia as a Primary or Secondary School teacher in Catholic, Independent and Government schools. Other career opportunities include management, non-Government organisations (NGOs), community-based organisations, training & professional development, actuary, mathematician, and statistician.

## **Real-world experience**

You will learn from our academics, who are leaders in their

field. There are no practicum requirements for this program.

## **Fees and costs**

This Program has the following loan scheme(s) available for eligible students:

### **Domestic Fee-Paying**

A domestic fee-paying place is a place at university where the student is responsible for the full cost the program.

Eligible domestic fee-paying students may apply for the FEE-HELP loan scheme

(<https://www.studyassist.gov.au/preview-link/node/108/a39069a0-c0d9-4ed5-ad8e-1df4d43a987a>)

which assists eligible fee-paying students with the payment of all, or part, of their tuition fees, not including additional study costs such as accommodation or textbooks. Your FEE-HELP debt will be indexed each year in line with the Consumer Price Index.

For indicative fees and information on how to pay, including Government loan schemes and our online calculator, visit our Fees, costs and scholarships page (<https://www.notredame.edu.au/study/fees-costs-and-scholarships>).

## **More information**

### **Considering your uni options?**

Talk to one of our career advisors for a personalised advice session (<https://calendly.com/d/dmr-5gg-c2h>). Our advisors provide support while choosing a program of study and completing our application process. **Book my session. (<https://calendly.com/d/dmr-5gg-c2h>)**

For more information, please call our Prospective Students Office on +61 2 8204 4404 or email [sydney@nd.edu.au](mailto:sydney@nd.edu.au) (<mailto:sydney@nd.edu.au>).

**APPLY DIRECT ↗**

## **Need help? Ask Notre Dame**

(02) 8204 4400

**Duration:** 1.5 years equivalent full-time study. Only available part-time.

**Duration type:** Part time

**Campus:** Sydney

**Study mode:** On campus

**Commencement:** Semester 1; Semester 2

**Program code:** 5134

**Fee:** Domestic Full Fees