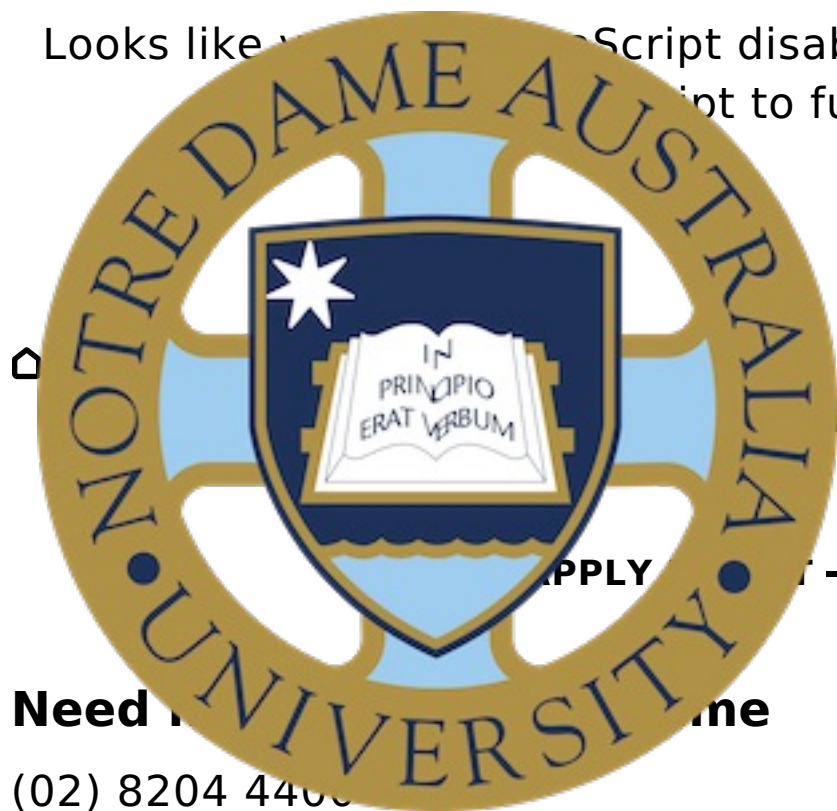


Looks like JavaScript disabled! Many aspects of this site may not function correctly.



Mathematics Education

Need more information?

(02) 8204 4400

<https://www.notredame.edu.au/home>

Duration: 1 year equivalent full-time study. Only available part-time.

Duration type: Part time

Campus: Sydney

Study mode: Online

Commencement: Semester 1; Semester 2

Program code: 4159

Loan Scheme: FEE-HELP

Graduate Diploma of Mathematics Education

School of Arts & Sciences

Are you an accredited teacher who wants to build your mathematics education skills and knowledge? The Graduate Diploma of Mathematics Education at The University of Notre Dame Australia provides a short postgraduate study program for graduates of other disciplines who need to understand and use mathematics professionally. The program equips you with the capacity, skills and confidence to teach up to and including Extension 1 and 2 mathematics. This Graduate Diploma of Mathematics Education is part of a nested program of study. Nested programs allow you to build on your study to achieve the level of qualification that is right for you. Contact us today to find out more.

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 enable you to develop deep and flexible content knowledge in pure and applied tertiary-level mathematics. They also allow you to develop 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.

This program will improve your expertise and career prospects. Qualified secondary mathematics teachers are in high demand across Australia. 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
 - Discrete Mathematics
 - 25 Units of Credit from one (1) Practicum Course or Advanced Calculus
 - Teaching Methods in Mathematics
 - 25 Units of Credit from one (1) Core Curriculum Course
-

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).

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 Graduate Diploma 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
5. Combine theoretical mathematical knowledge with practical educational approaches to teaching mathematics.

Career opportunities

The Graduate Diploma in Mathematics is designed for experienced educators. It will prepare you to teach mathematics in Catholic primary and secondary schools, Government departments, including the Department of Education. Other opportunities include management and business, non-government organisations (NGOs), community-based organisations, and training & professional development.

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:

FEE-HELP

The FEE-HELP loan scheme 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 Page \(https://www.notredame.edu.au/study/fees-costs-and-scholarships\)](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 \(https://calendly.com/d/dmr-5gg-c2h\)](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. \(https://calendly.com/d/dmr-5gg-c2h\)](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>).