



**NUS**  
National University  
of Singapore

Faculty of  
Science

# DOCTOR OF PHILOSOPHY (PhD) IN MATHEMATICS

## OVERVIEW

The Department of Mathematics at NUS has been ranked 1<sup>st</sup> among Asian Universities and top 20 worldwide in recent QS World University Rankings by Subject. The Department offers a diverse and vibrant graduate programme in fundamental and applied mathematics. Faculty members' research covers all major areas of contemporary mathematics.

The Doctor of Philosophy (PhD) in Mathematics programme is designed to provide advanced research training in mathematical sciences. Students enrolled into the programme will have the opportunity to work with prominent researchers in Pure and Applied Mathematics. They will also interact with faculty members and renowned visiting mathematicians at colloquiums and seminars as well as participate in overseas research attachments and conferences with financial support.



## FACULTY

The Department of Mathematics has prominent researchers in major research themes such as Combinatorics, Dynamical Systems, Geometry & Topology, Imaging & Vision Science, Machine Learning, Mathematical Finance and Mathematical Economics, Mathematical Logic & Theoretical Computer Science, Numerical Analysis & Scientific Computing, Optimisation, Partial Differential Equations, Probability Theory, Representation Theory & Automorphic Forms.



## CAREER OPPORTUNITIES

Graduates of our PhD in Mathematics programme are highly sought after in both academia and industry:

- Postdocs and faculty positions at leading universities worldwide:
  - USA: UC Berkeley, Yale University, University of Chicago, University of Wisconsin–Madison, University of Maryland-College Park, University of Minnesota
  - UK: University of Oxford
  - France: Centre national de la recherche scientifique, Institut de recherche en informatique et en automatique
  - Austria: University of Vienna
  - China: Tsinghua University, Fudan University
- Research Scientists at leading institutes worldwide:
  - China: Chinese Academy of Sciences
  - Singapore: Temasek Laboratories, A\*STAR institutes such as Institute of High Performance Computing, Bioinformatics Institute
- Quantitative Analysts, Risk Managers and Strategists at leading companies worldwide including ANZ Bank, Barclays, Credit Suisse, Deutsche Bank, DBS Bank, Goldman Sachs, JP Morgan, Morgan Stanley, Nomura, Standard Chartered Bank, UBS AG



## PROGRAMME STRUCTURE AND CANDIDATURE

The programme has two intakes per academic year, in August and January. Candidates are also expected to:

- Pass PhD Qualifying Examination within the first 24 months;
- Pass the English language course offered by NUS;
- Pass a prescribed list of courses;
- Maintain a minimum Grade Point Average (GPA) of 3.5 (out of 5.0) ('B' grade on average);
- Complete a thesis and oral defence to the satisfaction of the examination panel;
- Complete the above requirements within 5 years (maximum candidature).

For more information about the programme, please refer to:  
<https://www.math.nus.edu.sg/pg/phd/phd-prospective/>



## ADMISSION REQUIREMENTS

- Minimum 4-year Bachelor's (Honours) degree (or its equivalent) in mathematics or in a related area with strong mathematics training
- Evaluation criteria include academic records and references, and undergraduate research experiences (if any). Admission is on a competitive basis
- A candidate whose medium of undergraduate instruction is not English is required to submit TOEFL (with the minimum score of 85 for the internet-based test) or IELTS (with the minimum score of 6.0)
- Candidates are strongly encouraged to take the GRE test and submit their results



## RESEARCH SCHOLARSHIPS

The National University of Singapore provides research scholarships to successful applicants for a period of up to four years. These scholarships cover full tuition fees and include a monthly stipend to support the recipients' studies and research. Candidates of outstanding academic calibre may be nominated by the Department for consideration for the President's Graduate Fellowship (PGF), one of the University's most prestigious awards. Recipients of other scholarships will receive an additional allowance of S\$500 per month from the Department, in addition to the standard University stipend. Financial support for a fifth year of study may be granted on a merit basis, subject to satisfactory academic progress and departmental recommendation.

For more information, please refer to <https://nusgs.nus.edu.sg/scholarships/>



## TO APPLY

- Online via NUS Graduate Admission System:  
<https://gradapp.nus.edu.sg/apply>
- Regular admission application periods:
  - January 2027 Intake: 1 January to 15 May 2026
  - August 2027 Intake: 16 May to 15 November 2026

Scan the **QR code**  
for detailed information  
about the Programme

