YES! I want to study Mathematics @ NUS!

You should first apply for admission to the Faculty of Science.
After admission, you would be allowed to read any of the open major programmes within the Faculty, including mathematics and applied mathematics. You need at least a pass in A-level H2 Mathematics (or its equivalent) to be able to read the first year core modules. If you do not have the background, you may read the bridging module MA1301 first.

B.Sc. & B.Sc. (Hons), with Major in Mathematics or Applied Mathematics

Mathematics
Students will be exposed to important areas of mathematical knowledge including algebra, logic, number theory and combinatorics, real and complex analysis, differential equations, geometry and topology with focus on mathematical foundations and fundamental techniques.

Applied Mathematics
Students focus on mathematics that deals with algorithms, problem-solving techniques and applications to other areas of human concern. Topics offered include financial mathematics, optimization & operations research, mathematical modelling, scientific computing & simulations, coding & cryptography, computational biology. Students who would like an additional focus of study may choose one of the following two specializations during their third or fourth year of study:
1. Mathematical Modelling and Data Analytics
2. Operations Research and Financial Mathematics

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Career Prospects for our Graduates
Possible careers include operations research analysts in the airline and shipping/port industries; financial and risk analysts, actuaries, financial engineers and financial planners in banks/insurance companies; data and system analysts, cryptanalysts in multinational and defense organizations; software engineers in a range of organizations; Lecturers, teachers, curriculum developers in educational institutions and publishing houses; and administrators. They would also be well prepared for graduate studies in a range of disciplines, including mathematics, computer science, statistics and economics, and management science.

B.Sc. & B.Sc. (Hons), with Major in Quantitative Finance
An interdisciplinary programme that combines mathematics, finance and computing with a practical orientation that is designed for high-calibre students who wish to become professionals in the finance industry. To apply for this programme, students must first be admitted to the Faculty of Science and obtained a good pass for H2 Mathematics at A-level or equivalent.

Important Dates for 2017/2018 admission exercise:
Application Deadline: 5pm on 12 July 2017
Interview: 18-19 July 2017
Results: 21 July 2017

Application form and procedure are available at our homepage >Undergraduates >Major/Minor Programmes

Data science is a newly emerging field of study that involves computational principles, methods and systems for extracting and structuring knowledge from data. The four-year direct Honours programme in Data Science and Analytics (DSA) is designed to prepare graduates who are ready to acquire, manage and explore data that will inspire changes around the world.

Students will read modules in Mathematics, Statistics and Computer Science, and be exposed to the interplay between these three key areas in the practice of data science. In their third and fourth years of study, students will also delve more in-depth into subject matters such as computation and optimisation, computer algorithms, database and data processing, data mining and machine learning, and high-dimensional statistics.

Double Major in Mathematics/Applied Mathematics and Economics
Jointly offered by the departments of Mathematics and Economics, this double major allows students to study in two disciplines which naturally complement each other. Prospective students keen to read this combination may apply for direct admission when applying for undergraduate admission to NUS. Alternatively, they can also apply at the end of their first year after passing 4 qualifying modules. Students may also do a double major in Mathematics/Applied Mathematics with other closely related disciplines.