



**NANYANG
TECHNOLOGICAL
UNIVERSITY**
SINGAPORE

**School of Physical and
Mathematical Sciences**
College of Science

MASTER OF SCIENCE IN

ANALYTICS



ABOUT MASTER OF SCIENCE IN ANALYTICS (MSA) PROGRAMME

The Master of Science in Analytics (MSA) programme is an interdisciplinary post-graduate programme suitable for professionals seeking to leverage business analytics in their respective fields, as well as recent college graduates pursuing a career in the data science industry.

Analytics is the science of finding patterns in data to aid decision making. It is an interdisciplinary field rooted in applied mathematics, with a wide range of applications in business, finance, and industry. Modern businesses are turning toward increasingly sophisticated analytics methods to offer improved shopping suggestions to consumers, target previously neglected markets, and improve the efficiency of their internal logistical processes and workflows.

The MSc in Analytics programme provides the skills and knowledge for applying cutting-edge data science techniques to business challenges in the modern economy.

The MSA programme is an intensive one-year full-time (or 2-year part-time) programme by

coursework taught in 3 trimesters. Students will be awarded the Master of Science in Analytics after completion of study.

The graduation requirement for the programme is a total of 30 AUs with 24 AUs coming from core courses, 6 AUs from elective courses. The curriculum strongly emphasizes the application of analytics skills and knowledge to real live data.



Interdisciplinary post-graduate programme



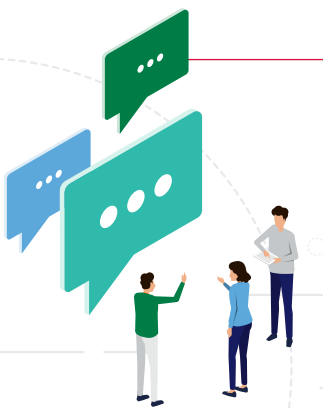
Strongly emphasizes the application of analytics skills and knowledge to real live data.



Provides the skills and knowledge for applying cutting-edge data science techniques



Intensive one-year full-time (or 2-year part-time)



PROGRAMME OVERVIEW

The proposed MSA programme is an intensive one-year full-time (or 2-year part-time) programme by coursework taught in 3 trimesters.

The programme consists of a total of 30 Academic Units (AUs), with 24 AUs stemming from core modules and 6 AUs from elective modules.

CURRICULUM STRUCTURE

Core Modules	AUs	Elective Modules	AUs
• Operations Research I	1.5	• Information Retrieval and Analysis	3
• Operations Research II	1.5	• Stochastic Processes for Data Science	1.5
• Analytics Software I	1.5	• Statistical Modelling and Data Analysis	1.5
• Analytics Software II	1.5	• Uncertainty and Dependence	1.5
• Analytics Workshop I	1.5	• Financial and Risk Analytics I	1.5
• Analytics Workshop II	1.5	• Financial and Risk Analytics II	1.5
• Probability and Statistics	1.5	• Web Analytics	1.5
• Time Series Analysis	1.5	• Data Management and Business Intelligence	1.5
• Database Systems	3		
• Data Mining	3		
• Practicum	6		

GENERAL ADMISSION CRITERIA



A good Bachelor's Degree in a quantitative discipline (mathematics, statistics, engineering, computer science etc.) is preferred.



A good GMAT score of 650 or GRE score of 315 is required (Graduates from autonomous universities in Singapore are exempted).



A good TOEFL score (92 or more) or IELTS score (6.5 or more), for graduates of universities in which English is not the medium of instruction.

Application Timeline



APPLICATION
(1 Nov to 31 Jan)

- Online application
- Payment of application fee
- Submission of supporting documents



OFFER AND
ACCEPTANCE
(Jun)

- Application outcome
- Payment of acceptance deposit



MATRICULATION
(Jul)



COURSE
COMMENCEMENT
(Jul)



PROGRAMME FEE

Singapore Citizens	S\$32,500 + Prevailing GST
Singapore Permanent Residents / International Students	S\$52,500 + Prevailing GST

All fees listed are in Singapore dollars (S\$). Fees are reviewed yearly and subject to revision. Amounts quoted are exclusive of GST and subject to change.

Instalment Schedule

Payment Details	Due Date	Singapore Citizens	Singapore PR / International Students
Deposit (non-refundable)	Upon acceptance of offer	S\$5,000 + Prevailing GST	
First Payment	Year 1, start of Trimester 1 (for all students)	S\$16,250 + Prevailing GST	S\$26,250 + Prevailing GST
Second Payment	Year 1, start of Trimester 2 (for Full-Time students) Year 2, start of Trimester 1 (for Part-Time students)	S\$16,250 + Prevailing GST	S\$26,250 + Prevailing GST

- Deposit will be used to offset first payment.
- Successful international applicants must ensure that they have sufficient funds for the normal duration of the MSA program, after accepting the admission offer.



Contact Us

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 [NTUMScAnalytics](#)