



Master of Science in
**Maritime Technology
and Management**

*Your Gateway to
Maritime Technology and Digitalisation*

INTRODUCTION

Singapore is the Global Maritime Hub for Connectivity, Innovation, and Talent, and a hub of excellence for shipping, port, offshore, and maritime-related businesses. Being the International Maritime Centre (IMC) with state-of-the-art systems and infrastructure, we strive to remain the key node in the global maritime network. Additionally, the industry sees the need for strong innovative players and a talented workforce equipped with future-ready skills and a global mindset. In line with these directives, the MSc (MTM) aims to nurture talent with strong analytics expertise to prepare the maritime industry towards digitalisation and technological innovation, and develop a strong maritime innovation ecosystem at the local, regional, and global levels. Graduates from this programme will be equipped with skillsets enabling next-generation maritime and logistics capabilities in Singapore and beyond, including the latest data analytics, port, maritime, and logistics technologies.

LEARNING OUTCOMES



Equip candidates with the knowledge, skills, and confidence to handle the complex needs of the maritime industry with the latest tools and techniques.



Impart various desired attributes and in-demand skills essential for the digitalisation and transformation of the maritime sector.



Nurture the next generation maritime experts to meet current and future needs of the maritime industry in Singapore and around the world.

ABOUT NUS

The National University of Singapore (NUS) has nurtured generations of talent since our founding in 1905. Our 17 faculties across three campuses in Singapore and 12 NUS Overseas Colleges around the world provide a thriving environment for our diverse community of 40,000 students to live and learn together in their pursuit of knowledge. We pioneer innovative academic programmes, influential research and visionary enterprises to improve lives and contribute to society. As Singapore's flagship university and among Asia's best, we strive to inspire and innovate, to shape a better future for Asia and the world. NUS has been highly-ranked in international rankings of world universities, including the Quacquarelli Symonds (QS) Asia University Rankings, QS World University Ranking and Times Higher Education World University Rankings.

FEATURES



A leading global university centred in Asia.



A deep focus on programming methodology, statistics, machine learning, and data mining/analytics.



Singapore as a Global Maritime Hub.



Seminars, workshops, and industry visits with our industry partners to broaden the learning experience and provide intense networking opportunities with industry practitioners.



First graduate programme in Singapore to focus on maritime technology and digitalisation.



Strong support from the industry and regulators, including PSA Singapore and the Maritime and Port Authority of Singapore.



Dynamic blend of students with vast international experience.



A 15-week internship practicum (for full-time students) in a maritime and logistics related company which aims to provide students with the opportunity to integrate knowledge and theory on maritime technology and management acquired during the programme in a practical setting.



A team project (for part-time students) of current industry relevance and deeply integrated with core maritime and logistics content and practices. Students will imbibe the innovative spirit that is needed for creative technological solutions to be developed.

LEARNING JOURNEY

Seven core courses with no electives.

- IE5005 Data Analytics for Industrial Engineers
- IE5600 Applied Programming for Industrial Systems
- MTM5001 Maritime Industry Fundamentals
- MTM5002 Port Logistics and Supply Chain
- MTM5004 Maritime Data Analytics
- MTM5005 Intermodal Freight Transport and Logistics
- MTM5101 Maritime Industrial Attachment or
MTM5101P Maritime Team Project

A joint programme between the Department of Industrial Systems Engineering and Management (ISEM) - Faculty of Engineering and the Centre for Maritime Studies (CMS).



WHO SHOULD APPLY

- Fresh graduates who are zealous to gain more in-depth knowledge in the maritime technology and digitalisation and focus on the big data mining and analysis.
- Middle management executives from maritime industry, including, but not limited to, ship management, logistics and supply chain, port and terminal operations, seeking career progression and taking up new challenges.

ADMISSION CRITERIA

Admission to this programme is highly competitive and exclusive to ensure high quality course content and delivery, nurturing well-trained, future ready graduates, who can make significant contribution to the maritime industry.

- An undergraduate degree with honours or its equivalent from a good University, preferably from a STEM background. Applicants without an honours degree will be considered for admission based on your average scores during your course of study. These applicants may be requested to attend an interview session.
- Applicants with evidence of strong technical background and having at least 2 years of working experience in the maritime sector will have an advantage.
- Applicants whose undergraduate degree was not taught exclusively in English are required to submit a valid TOEFL / IELTS scores. The minimum expected scores are:
 - 85 for TOEFL internet-Based Test (iBT); or
 - 6.0 for IELTS (Academic)



INTAKE SEMESTER

Every August



CURRICULUM STRUCTURE

TYPICAL CANDIDATURE DURATION

MODE

Full-time

Part-time

CANDIDATURE

1 year

2 years



HOW TO APPLY

You can apply online here :
<https://inetapps.nus.edu.sg/GDA2/Home.aspx>



APPLY ONLINE TODAY!



ENQUIRY

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