



COURSEWORK PROGRAMME

MASTER IN MARITIME TECHNOLOGY

Sailing toward frontiers



ABOUT US

Since inception in 2006, UPNM now has more than 15 years of experience in teaching, training, professional development, leadership, and research. It continues to advance as a leading university in Asia niche in the field of defense, military, and security.



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<https://cgs.upnm.edu.my>

MASTER IN MARITIME TECHNOLOGY (MMT)

✔ Programme Overview

MMT offered by NDUM has been carefully structured based on the collaboration with University Ecole Centrale De Nantes, France under the mutual agreement of the Offset Program (France & Malaysia). This programme provides opportunities specifically for maritime agencies and industry candidates. This programme is designed to expose and develop student's maritime experience in Naval architecture, ship maintenance and ship operation. Besides that, it aims to achieve high professionalism in term of leadership and decision-making as Captain of a ship or Head of Department in ship operation as well as ship construction and maintenance. Part of the programme is also devoted to the practical use of ship simulators, ship design software and Computational Fluid Dynamics (CFD) as well as be able to relate the knowledge gained towards the enhancement of Maritime Defence and Technology.



✔ Who Should Attend?

- Professional officers working in the maritime technology field in terms of ship operation, ship maintenance and ship construction. For instance, Royal Malaysian Navy (RMN) officers, Malaysian Maritime Enforcement Agency (APMM)
- Ship's captain, Head of Department of shipping companies, shipyards (Boustead/MSE), Oil and gas and Marine Police. Earning the STM will provide opportunities for graduate career employment.
- Professionals seeking the credentials to enter the field or those seeking career change will find multiple career options in maritime agencies.
- Fresh Graduates who plan to embark on a career in maritime agencies and related Industries.



✓ Entry Requirement

- i. A bachelor's degree in the field of Maritime Technology Mechanical Engineering, Mechanical (Marine Technology), Electrical & Electronic, Naval Architecture or related field or equivalent with a minimum CGPA of 2.50 or equivalent, from UPNM or any recognised university by the Senate; or
- ii. A bachelor's degree in the field or related field or equivalent with a minimum CGPA of 2.00 and not meeting a CGPA of 2.50 can be accepted subject to rigorous internal assessment; or
- iii. Candidate without a qualification in the related field or working experience in the relevant field must undergo appropriate prerequisite courses determined by the University and meet the minimum CGPA based on Clause (i) and/or Clause (ii) of the above. or
- iv. Other qualifications recognised by the Senate that are obtained through Accreditation of Prior Experiential Learning (APEL) - Level 7 (APEL-7).

The English language requirement applies to foreign/international applicant where English is not their native/official language. This requirement does not apply to International applicants with an accredited bachelor's and master's degree obtained from Malaysian-based academic institutions.

✓ Duration of Study

	Min	Max
Full Time	1 year 3 Months	2 years 6 months
Part Time	2 years	6 years

✓ Study Fee

	Malaysian	International
Full Time	RM 15,050.00	RM 21,270.00
Part Time	RM 15,650.00	RM 24,750.00

Fee is subjected to change from time to time as suggested by the university Senate

✓ Structure of Study

Candidates must complete a minimum of 40 credits. The minimum 40-credit taught courses consist of several subject modules, including core and elective courses. The programme delivery method consists of classroom and lecture; individual assignments and teamwork project papers; case presentations and final examinations.

Components	Modules	Credit
Core	Research Methodology	2
	Ship Technology	3
	Advanced Naval Architecture	3
	Mathematics for Marine Application	3
	Marine Corrosion/ Inspection and Survey	3
	Ship Hull and Structure	3
	Marine Simulation and Modeling	3
	Ship Propulsion and Performance	3
	Elective (3 modules only)	Marine Dynamic Application
Maritime Safety and Security		3
Ship Hydrodynamics		3
Power Supply Management		3
Naval Combat System		3
Weapon Integration Systems		3
Deck Operation System		3
Marine Vehicle Evolution and Design		3
Ship Production		3
Research		Master's Project
Total Credit Hours		40

✓ Application

All applications must be submitted to the Centre for Graduate Studies, National Defence University of Malaysia.

The application form can be downloaded from the NDUM website at <https://cgs.upnm.edu.my>



Notes: