



# Study Plan

Marine Engineering

A young man with dark hair and a beard, wearing a red uniform with a name tag that says "Yan Shipping", is smiling and looking towards the camera. He is working on a piece of machinery, possibly part of a ship's engine, with various wires and components visible. The background is slightly blurred, showing an industrial or maritime setting.

## Study Plan

## Marine Engineering

**Department Name:** Department of Maritime

**Programme Name:** Marine Engineering

**Award:**

**1. Diploma in Marine Engineering.**

The duration of the Marine Engineering Officer (MEO) Programme at Diploma Level is three years, equal to six semesters. Four semesters will be at IMCO, with semesters three and six at sea for an apprenticeship. A combined total of 12 months' sea- and workshop time is required for MEO students of which a minimum of 6 months should be sea-time. Students will also receive a Certificate of Completion (CoC) of the "Officer in Charge of an Engineering Watch" course, in accordance with the International Maritime Organization's model course 7.04, along with the Marine Engineering Officer at Diploma Level. The CoC will be issued by the Ministry of Transport, Communications, Information Technology (MTC) after the diploma graduate has passed an oral examination conducted by MTC.

**2. Bachelor of science in Marine Engineering.**

The duration of the Marine Engineering Officer (MEO) Programme at Bachelor Level is one year, equal to two semesters. For those officers and students who only want to receive a certificate of marine engineering course at the management level, the opportunity is provided that at the end of the semester 7, the certificate of completion of the Chief Engineer Officer and Second Engineer Officer course in Management level, in accordance with the International Maritime Organization's model course 7.02.

Marine Engineering Officer (MEO) Program at Bachelor Level also receive the Certificate of Completion of Chief Engineer Officer and Second Engineer Officer course in Management level.



### Year 1

Year	Semester	Module Code	Module Name	Credit Point	Contact Hours	Module Type
Year 1	Semester -1	MMATH-I	Math I	10	3	College
Year 1	Semester -1	MPHYS-I	Physics 1	10	4	College
Year 1	Semester -1	MENG-I	English 1 (Communication Skills)	10	8	College
Year 1	Semester -1	MMA-SHOP-I	Machine Shop 1	7	4	Core
Year 1	Semester -1	MMARENG-I	Marine Engineering and Ship Knowledge	6	4	Core
Year 1	Semester -1	MDRAW-I	Marine Engineering Drawing -I	6	2	Core
Year 1	Semester -1	MCONSSTAB-I	Ship Construction & Stability 1	6	2	Core
Year 1	Semester -1	ME-WATCH-I	Watch Keeping Eng. Officers and Maritime Law 1	5	2	Core
Year 1	Semester -1	MENTRP-I-I	Entrepreneurship	0	2	College
Year 1	Semester -1	MPE-I	Physical Exercise 1	0	2	Core
Year 1	Semester -2	MMATH-II	Math 2	10	3	College
Year 1	Semester -2	MENG-II	English 2 (Communication Skills)	10	8	College
Year 1	Semester -2	MMA-SHOP-II	Machine Shop 2	7	4	Core
Year 1	Semester -2	MAUXMACH-I	Auxiliary Machinery 1	7	4	Core
Year 1	Semester -2	M-EMAT	Engineering Materials 1	6	4	Core
Year 1	Semester -2	MEWATCH-II	Watch Keeping Eng. Officers and Maritime Law 2	6	2	Core
Year 1	Semester -2	MPOWER-I	Marine Power Plant 1	7	2	Core
Year 1	Semester -2	MELECTRO-I	Electro Technology 1	7	4	Core
Year 1	Semester -2	MPE-II	Physical Exercise 2	0	2	Core



## Year 2

Year	Semester	Module Code	Module Name	Credit Point	Contact Hours	Module Type
Year 2	Semester -3	MTRB-I	Training Record Book 1	60	18	Core
Year 2	Semester -4	MMATH-III	Math-III	8	3	College
Year 2	Semester -4	MPHYS-II	Physics 2	8	4	College
Year 2	Semester -4	MENG-III	Technical Writing	8	6	College
Year 2	Semester -4	MCHEM-I	General Chemistry + Fuel Oils And Lubricants	7	4	Core
Year 2	Semester -4	MDRAW-II	Marine Engineering Drawing-II	7	2	Core
Year 2	Semester -4	MELECTRO II	Electro Technology 2	8	4	Core
Year 2	Semester -4	MAUXMACH-II	Auxiliary Machinery 2	8	4	Core
Year 2	Semester -4	MPOWER II	Marine Power Plant 2 (Diesel)	6	4	Core
Year 2	Semester -4	MPE-III	Physical Exercise 3	0	4	Core

## Year 3

Year	Semester	Module Code	Module Name	Credit Point	Contact Hours	Module Type
Year 3	Semester -5	MENG-IV	Technical Writing	8	4	College
Year 3	Semester -5	MTHERMO-I	Thermodynamics	8	4	Core
Year 3	Semester -5	MPOWER-3	Marine Power Plant 3, (Steam)	8	4	Core
Year 3	Semester -5	MEWATCH-III	Watch Keeping Eng. Officers and Maritime Law 3	6	4	Core
Year 3	Semester -5	MAUTO	Marine Automation	8	4	Core
Year 3	Semester -5	MELECTRO-III	Electro Technology 3, incl. internal communication systems	8	4	Core
Year 3	Semester -5	MCONSTAB-2	Ship Construction and Stability 2	8	4	Core
Year 3	Semester -5	MMELAB-1	Marine Engineering Lab	6	4	Core
Year 3	Semester -5	MPE-IV	Physical Exercise 4	0	4	Core
Year 3	Semester -6	MTRB-II	Traning Record Book II	60	18	Core



### Year 4

Year	Semester	Module Code	Module Name	Credit Point	Contact Hours	Module Type
Year 4	Semester -7	MMARLAW-II	Maritime Law	10	4	Core
Year 4	Semester -7	MPOWER-IV	Marine Power Plant, Steam 2 and Gas Turbines	15	6	Core
Year 4	Semester -7	MHRMAN	Shipboard Human Resource Management	7	2	Short course
Year 4	Semester -7	MMAINT	Maintenance, Fault Finding and Repair	10	4	Core
Year 4	Semester -7	MELECTRO-IV	Electro Technology-IV	15	6	Core
Year 4	Semester -7	MAUXMACH-3	Auxiliary Machinery 3	13	6	Core
Year 4	Semester -7	MTECHMAT	Technology of Materials 2	7	2	Core
Year 4	Semester -7	MTHERMO-2	Thermodynamics 2	12	4	Core
Year 4	Semester -7	MCONSTAB-III	Ship Construction and Stability 2 and Damage Control	12	4	Core
Year 4	Semester -7	ERM	Engine Resource Management	4	2	Short course
Year 4	Semester - 8	MGP-I and II	Research, Preparation and Preparation of the Graduation	15	4	Core