

*Programme Structure / Study Plan*

**Semester 1 – Year 1**

<b>Module Code</b>	<b>Descriptive title</b>	<b>Total Hours</b>	<b>Credit Points</b>
MMATH-I	Math 1	4	10
MPHYSICS-I	Physics 1	4	10
MENG-I	English 1 (communication Skills)	8	10
MMA-SHOP-I	Machine Shop 1	4	7
MMARENG-I	Marine Engineering and ship knowledge	4	6
MDRAW-I	Marine Engineering Drawing-I	2	6
MCONSSTAB-I	Ship Construction & Stability 1	2	6
ME-WATCH-I	Watch keeping Eng. Officers and Maritime Law 1	2	5
MPE-I	<i>Physical Exercise 1</i>	2	0
	<b><i>Sub total</i></b>	<b>32</b>	<b>60</b>

**Semester 2 – Year 1**

<b>Module Code</b>	<b>Descriptive title</b>	<b>Total Hours</b>	<b>Credit Points</b>
MMATH-II	Math 2	4	10
MENG-II	English 2 [communication Skills]	8	10
MMA-SHOP-II	Machine Shop 2	4	7
MAUXMACH-I	Auxiliary Machinery 1	4	7
M-EMAT	Engineering materials 1	4	6
MEWATCH-II	Watch keeping Eng. Officers and Maritime Law 2	2	6
MELECTRO-I	Electro Technology 1	2	7
MPOWER-I	Marine Power Plant 1	2	7
MPE-II	<i>Physical Exercise 2</i>	2	0

	<i>Sub total</i>	32	60
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### Semester 3 – Year 2

Module Code	Descriptive title	Total Hours	Credit Points
MTRB-I	Training Record Book I (apprenticeship)		60
	<i>Sub total</i>		60

### Semester 4 – Year 2

Module Code	Descriptive title	Total Hours	Credit Points
MMATH-III	M-Math-III	4	8
MPHYS-II	Physics 2	4	8
MENG-III	Technical Writing	4	8
MCHEM-I	General Chemistry + Fuel Oils And Lubricants	4	7
MDRAW-II	Marine Engineering Drawing-II	2	7
MELECTRO-2	Electro Technology 2	4	8
MAUXMACH-II	Auxiliary Machinery 2	4	8
MPOWER-II	Marine Power Plant 2 (Diesel)	4	6
MPE-III	<i>Physical Exercise 3</i>	4	0
	<i>Sub total</i>	34	60

### Semester 5 – Year 3

Module Code	Descriptive title	Total Hours	Credit Points
MENG-IV	Technical Writing	4	8
MTHERMO-I	Thermodynamics 1	4	8
MPOWER-3	Marine Power Plant 3, (Steam)	4	8
MEWATCH-III	Watch keeping Eng. Officers and Maritime Law 3	4	6
MAUTO	Marine Automation	4	8
MELECTRO-III	Electro Technology 3, incl. internal communication systems	4	8

MCONSTAB-2	Ship Construction and Stability 2	4	8
MMELAB-1	Marine Engineering Lab	4	6
MPE-IV	<i>Physical Exercise 4</i>	4	0
	<b><i>Sub total</i></b>	<b>36</b>	<b>60</b>

### Semester 6 – Year 3

Module Code	Descriptive title	Total Hours	Credit Points
MTRB-II	Training Record Book II (apprenticeship)		60
	<b><i>Sub total</i></b>		<b>60</b>

### Semester 7 – Year 4

Module Code	Descriptive title	Total Hours	Credit Points
MMARLAW-II	Maritime Law	4	10
MPOWER-IV	Marine Power Plant, Steam 2 and gas turbines	6	15
MHRMAN	Shipboard Human Resource Management	2	7
MMAINT	Maintenance, fault finding and repair	4	10
MELECTRO-IV	Electro Technology -IV	2	15
MAUXMACH-3	Auxiliary Machinery 3	6	13
MTECHMAT	Technology of materials	2	7
MTHERMO-2	Thermodynamics 2	4	12
MCONSTAB-III	<i>Ship Construction and Stability 3, and damage control</i>	4	12
ERM	<i>Engine Resource Management</i>	2	4
	<b><i>Sub total</i></b>	<b>36</b>	<b>105</b>

### Semester 8 – Year 4

Module Code	Descriptive title	Total Hours	Credit Points
MGP-1 and 2	Research, Preparation and Preparation of the Graduation		15
	<b><i>Sub total</i></b>		<b>15</b>

