



**UNIVERSITY OF CEBU**  
**Maritime Education and Training Center**  
**Cebu City**

**BACHELOR OF SCIENCE IN MARINE ENGINEERING**  
**Effective School Year 2002-2003**  
**Curriculum**

**FIRST YEAR**

*FIRST SEMESTER*

<b>COURSE</b>	<b>DESCRIPTIVE TITLE</b>	<b>LEC</b>	<b>LAB</b>	<b>UNIT(S)</b>
MATH 1	Basic Math and College Algebra	5	0	5
ENGLISH 1C	English 1 (Communication Skills)	3	0	3
COMP. 1C	Basic Computer Operation	2	3	3
SEAM 1C	Ships and Ship Routines	2	3	3
PE 1C	Basic Swimming	0	2	2
Chem 1A	General Chemistry	3	3	4
Fil 1B	Sining ng Pakikipagtalastasan	3	0	3
E-Mat'l	Engineering Materials	3	0	3
NS (NSTP) 1	Naval Reserve			(3)
	<b>TOTAL</b>	<b>21</b>	<b>11</b>	<b>26</b>

*SECOND SEMESTER*

<b>COURSE</b>	<b>DESCRIPTIVE TITLE</b>	<b>LEC</b>	<b>LAB</b>	<b>UNIT(S)</b>
MATH 2	Plane Trigo and Solid Mensuration	5	0	5
PHYSICS 1	Engineering Physics	3	3	4
ENGLISH 2	English 2 (Communications Skills) Cont.	3	0	3
PE 2	Advanced Swimming	0	2	2
Fil 2	Pagbabasa at Pagsusulat	3	0	3
DRAW 1A	Marine Eng'g Draw 1	1	3	2
Soc. Sci 1D	Philippine History and Constitution	3	0	3
PE 2C	Advanced Swimming	0	2	2
MASHOP 1	Machine Shop 1	1	6	3
NS (NSTP) 2	Naval Reserve			(3)
	<b>TOTAL</b>	<b>19</b>	<b>14</b>	<b>25</b>

**SECOND YEAR**

*FIRST SEMESTER*

<b>COURSE</b>	<b>DESCRIPTIVE TITLE</b>	<b>LEC</b>	<b>LAB</b>	<b>UNIT(S)</b>
Math 3	Analytic Geometry and Calculus	5	0	5
English 3	Maritime English	3	0	3
Eletro 1A	Electronic Technology 1	2	3	3
MASHOP 2	Machine Shop 2	1	6	3
PE 3A	Dual Sports	0	2	2
DRAW 2	Introduction to Naval Architecture	1	3	2
WKC	Watchkeeping for Engine Officers	2	0	2
SAFETY 1A	Basic Safety 1	1	3	2
	<b>TOTAL</b>	<b>15</b>	<b>17</b>	<b>22</b>

*SECOND SEMESTER*

<b>COURSE</b>	<b>DESCRIPTIVE TITLE</b>	<b>LEC</b>	<b>LAB</b>	<b>UNIT(S)</b>
English 4B	Oral Communication	3	0	3
Aux. Mach. 1A	Auxiliary Machinery 1	3	3	4
ELECTRO 2	Electronic Technology 2	3	3	4
PE 4A	Team Sports	0	2	2
Physics 2	Engineering Physics	3	3	4
MASHOP 3	Machine Shop 3	1	6	3
POWER 1	Marine Power Diesel	3	3	4
Trilogy	Fuel, Oil and Lubricants	2	0	2
	<b>TOTAL</b>	<b>19</b>	<b>20</b>	<b>26</b>

**THIRD YEAR**

*FIRST SEMESTER*

<b>COURSE</b>	<b>DESCRIPTIVE TITLE</b>	<b>LEC</b>	<b>LAB</b>	<b>UNIT(S)</b>
Thermo 1	Thermodynamics	4	0	4
Electro 3	Electronic Technology 3	3	3	4
Soc. Sci. 2A	General Psychology with PADAM	3	0	3
Aux. Mach. 2A	Auxiliary Machinery 2	2	3	3
MARPOL 1	Marine Pollution and Preservation	3	0	3
Mechanics	Mechanics and Hydromechanics	4	0	4
Elective 1	Technical Elective (Introduction to Marine Surveying)	3	0	3
	<b>TOTAL</b>	<b>22</b>	<b>6</b>	<b>24</b>

*SECOND SEMESTER*

<b>COURSE</b>	<b>DESCRIPTIVE TITLE</b>	<b>LEC</b>	<b>LAB</b>	<b>UNIT(S)</b>
PERS. MAN	Personal Management	3	0	3
SOC. SCI. 3	Life and Works of Rizal	3	0	3
Auto	Marine Automation	3	3	4
MARLAW	Marine Law	3	0	3
POWER 2	Marine Power-Steam	3	3	4
Elective 2	Technical Elective (Ship Business Management)	3	0	3
Elective 2A	Marine Engineering Review	3	0	3
	<b>TOTAL</b>	<b>21</b>	<b>6</b>	<b>23</b>

**CADETSHIP**

ONE YEAR SEAGOING SERVICE - documented in an approved training record book is awarded with 40 credit units. Seagoing service shall be supervised and include not less than six months in the engine department.