



BACHELOR OF SCIENCE IN MARINE ENGINEERING
(based on CMO No.67 s. 2017)

FIRST YEAR									
First Semester				Second Semester					
Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite	Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite
		L E C	L A B				L E C	L A B	
Draw	Maritime Drawing and Diagrams		1		GEE-ICT	Software Applications and Network System Used in Seagoing Ships	1	1	
Electro 1	Basic Electricity	3	1		Mach 1	Hand and Measuring Tools	1	1	
EMat	Engineering Materials	4			Mach 2	Machining Tools	1	1	Mach 1
Mech	Mechanics and Hydromechanics	3			Electro 2	Basic Electronics	2	1	Electro 1
Thermo	Thermodynamics	3	1		Aux Mach 1	Auxiliary Machinery 1	5	1	Thermo & Mech
AS 1	Drill/Endurance Training 1		1		GE-MM	Mathematics in the Modern World	3		
PE 1	Basic Swimming		2		AS 2	Drill/Endurance Training 2		1	AS 1
NSTP 1	National Service Training Program 1	3			PE 2	Advanced Swimming		2	PE 11
TOTAL			22		NSTP 2	National Service Training Program 2	3		NSTP 1
<i>Note: *All Marine Engineering students must undergo Field Trip (Shipyard Visit) to orient students with regards to the entire ship structure as practicum for the subject Naval Architecture.</i>					JEEP Start 1	Job Enabling English Proficiency 1		3	
					TOTAL			27	

*Note: *All in-coming sophomore must undergo the "SEA TRIP"/Ship Familiarization. "Actual Shipboard Familiarization" on board Inter-island/Domestic vessel.*

SECOND YEAR									
First Semester				Second Semester					
Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite	Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite
		L E C	L A B				L E C	L A B	
IChem	Industrial Chemistry & Tribology	2	1		GEE-OHSP	Occupational Health & Safety inc. PADAMS	3		
Electro 3	Marine Electricity & Electrical Maintenance	3	2	Electro 1	PPD	Power Plant Diesel	4	1	Thermo, Aux,
Auto 1	Basic Control Engineering	3	1	Electro 2&Mech	PPS	Power Plant Steam	5	1	Mach 1, Mech,
Aux Mach 2	Auxiliary Machinery 2	4	1	Aux Mach 1	PASGT	Propulsion Ancillary System and Gas Turbine	2	1	Auto 1, IChem
Mach 3	Gas & Electric Welding	1	1	Mach 1 &EMat	EWK 1	Engine Watchkeeping	3		Aux Mach2, PPD, PPS & PASGT
FIL 1	Kontekstwalisadong Komunikasyon sa Filipino	3			Mar Env	Protection of the Marine Environment	3		
AS 3	Drill/Endurance Training 3		1	AS 2	AS 4	Drill/Endurance Training 4		1	AS 3
JEEP Start 2	Job Enabling English Proficiency 2		3	JEEP Start 1	PE 4	Team Sports	2		
PE 3	Dual Sports	2		PE 12	*Safety 1	Basic Training***			Will be taken after the final exam week to any Accredited Maritime Training Center
TOTAL			28		Mgmt 1	Leadership and Teamwork	3		
					TOTAL			29	

THIRD YEAR								
First Semester				Second Semester				
Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite	Course No.	Descriptive Title	Units	Prerequisite/ Co-requisite
		LEC	LAB					
ST	Shipboard Training		40		12 months onboard ship/s 750KWmain propulsion & above with Sea Projects, Daily Journal and CHED-approved TRB			

Safety 2 Advanced Fire Fighting (AFF) Student must obtain COP Proficiency in Survival Craft & Rescue Boats for AFF, PSCRB and MFA other than Fast Rescue Boats (PSCRB) in order to obtain BS degree Medical First Aid (MFA) Security Awareness Training & Seafarers with Designated Security Duties (SAT & SDSD)

FOURTH YEAR									
Note: All incoming 4th year students must present CERTIFICATE OF SEA SERVICE for his/her 1 year Apprenticeship in order to enroll and proceed as 4th year									
First Semester				Second Semester					
Course No.	Descriptive Title	Units		Pre-requisite/ Co-requisite	Course No.	Descriptive Title	Units		Prerequisite/ Co-requisite
		L E C	L A B				L E C	L A B	
Mar Law	Maritime Law	4			Auto 2	Marine Automation	3	1	Auto 1
Mgmt 2	Integrated Management System	2			Maint	Maintenance & Repair	2	1	Aux Mach 2, PPD, PPS, PASGT, Mach 3
GE-PH	Readings in the Philippine History	3			EWK 2	Engine Watchkeeping and Resource Mgt.		1	EWK 1, MGMT 1
GE-CW	The Contemporary World	3			GE-ST	Science, Technology and Society	3		
GE-PC	Purposive Communication	3			GE-E	Ethics	3		
GE-AA	Art Appreciation	3			PAN 1	Sinesosyedad/Pelikulang Panlipunan	3		
Nav Arch	Naval Architecture for Marine Eng'g.	2		Mech	JEEP Acc 2	Job Enabling English Proficiency 4		3	JEEP Acc 1
GE – US	Understanding the Self	3			RIZAL	The Life and Works of Dr. Jose Rizal	3		
FIL 2	Filipino sa Iba't Ibang Disiplina	3			TOTAL			23	
JEEP Acc 1	Job Enabling English Proficiency 3		3	JEEP Start 2					
AS 5	Drill/Endurance Training 5		1						
TOTAL			30						