

BACHELOR OF SCIENCE IN MARINE ENGINEERING (B.S. MarE)

(Curriculum applicable to students who entered as freshmen beginning school year 2014-2015)

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	1	ENG021	ENGLISH FOR ACADEMIC STUDIES 1	4.5	0	3.0		
1	1	MATH005	FUNDAMENTALS OF ALGEBRA	4.5	0	3.0		
1	1	CHM015	GENERAL CHEMISTRY	4.5	0	3.0		
1	1	CHM015L	GENERAL CHEMISTRY (LAB)	0	3.0	1.0		CHM015
1	1	NSTP010	OVERVIEW OF THE NATIONAL SERVICE TRAINING PROGRAM	3.0	0	(3.0)		
1	1	DRAW015W	BASIC ENGINEERING DRAWING (DRAW)	0	3	1.0		
1	1	MT101P	SHIPS, SHIP ROUTINES AND CONSTRUCTION (PAIRED)	3.0	4.5	3		
1	1	MT170F-1	LEADERSHIP AND DISCIPLINE 1	0	4.5	(1.0)		
1	1	PE001	BASIC SWIMMING	0	3.0	(2.0)		
1	1	VE011	VALUES EDUCATION 1	1.5	0	(1.0)		
Total				21	18	14		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	2	ENG022	ENGLISH FOR ACADEMIC STUDIES 2	4.5	0	3.0	ENG021	
1	2	MATH006	FUNDAMENTALS OF PLANE AND SPHERICAL TRIGONOMETRY	4.5	0	3.0	MATH005	
1	2	ME101-1	ENGINEERING MATERIALS	6	0	4.0	CHM015	
1	2	IT010	I.T. FUNDAMENTALS	3.0	0	2.0		
1	2	IT010L	I.T. FUNDAMENTALS (LAB)	0	3.0	1.0		IT010
1	2	DRAW016L	COMPUTER-AUDED DRAFTING & DESIGN FUNDAMENTALS (LAB)	0	3.0	1.0	DRAW015W	
1	2	MT170F-2	LEADERSHIP AND DISCIPLINE 2	0	4.5	(1.0)	MT170F-1	
1	2	PE002	ADVANCED SWIMMING	0	3.0	(2.0)	PE001	
1	2	VE012	VALUES EDUCATION 2	1.5	0	(1.0)	VE011	
Total				19.5	13.5	14		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	3	NSTP011-2P	LITERACY TRAINING SERVICE	4.0	3.0	(3.0)	NSTP010	
1	3	ENG028	SPEECH COMMUNICATION W/ IMO STANDARD MARINE COMMUNICATION PHRASES	4.5	0	3.0	ENG022	
1	3	ME104-1P	MACHINE SHOP 1 (PAIRED)	1.5	9	3.0	DRAW015W	
1	3	IT011	COMPUTER NETWORKS FOR MARITIME	3	0	2.0	IT010	
1	3	PHY016	GENERAL PHYSICS	4.5	0	3.0	MATH006	
1	3	PHY016L	GENERAL PHYSICS (LAB)	0	3.0	1.0	MATH006	PHY016
1	3	MT170F-3	LEADERSHIP AND DISCIPLINE 3	0	4.5	(1.0)	MT170F-2	
1	3	FIL001	KOMUNIKASYON SA AKADEMIKONG FILIPINO	4.5	0	3.0		
1	3	VE013	VALUES EDUCATION 3	1.5	0	(1.0)	VE011	
Total				23.5	19.5	15		

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Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
1	4	SS014	JOSE RIZAL AND THE DEVELOPMENT OF FILIPINO NATIONALISM	4.5	0	3.0		
1	4	SS022	GENERAL PSYCHOLOGY w/ ALCOHOL AND DRUG PREVENTION	4.5	0	3.0		
1	4	HUM018	CONTEMPORARY WORLD GEOGRAPHY & CULTURE	4.5	0	3.0		
Total				13.5	0	9		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	1	ME104-2P	MACHINE SHOP 2 (PAIRED)	1.5	9	3.0	ME104-1P	
2	1	MATH019	CALCULUS WITH ANALYTIC GEOMETRY	4.5	0	3.0	MATH006	
2	1	PHY017	APPLIED PHYSICS	4.5	0	3.0	PHY016	
2	1	PHY017L	APPLIED PHYSICS (LAB)	0	3.0	1.0	PHY016, PHY016L	PHY017
2	1	MARE101	INTRODUCTION TO NAVAL ARCHITECTURE	3.0	0	2.0	DRAW015W, MT101P	
2	1	FIL002	PAGBASA AT PAGSULAT TUNGO SA PANANALIKSIK	4.5	0	3.0	FIL001	
2	1	MT170F-4	LEADERSHIP AND DISCIPLINE 4	0	4.5	(1.0)	MT170F-3	
Total				18	16.5	15		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	2	EE151P	ELECTROTECHNOLOGY (PAIRED)	1.5	9	3.0	PHY017, PHY017L	
2	2	ME104-3P	MACHINE SHOP 3 (PAIRED)	1.5	9	3.0	ME104-2P, ME101-1	
2	2	MARE162-1	MARINE POWER PLANT - DIESEL 1	4.5	0	3.0		
2	2	MARE162L-1	MARINE POWER PLANT - DIESEL 1 (LAB)	0	4.5	1.0		MARE162-1
2	2	MATH110	PROBABILITY AND STATISTICS	4.5	0	3.0	MATH005	
2	2	MEC106-1	MECHANICS AND HYDROMECHANICS 1	3.0	0	2.0	MATH019, PHY017, PHY017L	
2	2	MARE198-1	MARE CORRELATION 1	0	4.5	(1.0)	ENG028, MATH006 ME104-2P	EE151P
2	2	MT170F-5	LEADERSHIP AND DISCIPLINE 5	0	4.5	(1.0)	MT170F-4	
Total				15	31.5	15		

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Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	3	EE152P	ELECTROTECHNOLOGY (PAIRED)	1.5	9	3.0	EE151P	
2	3	MEC106P-2	MECHANICS AND HYDROMECHANICS 2 (PAIRED)	1.5	4.5	2.0	MEC106-1	
2	3	MARE162-2	MARINE POWERPLANT- DIESEL 2	4.5	0	3.0	MARE162-1	
2	3	MARE162L-2	MARINE POWERPLANT- DIESEL 2 (LAB)	0	4.5	1.0	MARE162-1, MARE162L-1	MARE162-2
2	3	CHM017	INDUSTRIAL CHEMISTRY	3.0	0	2.0	CHM015	
2	3	CHM017L	INDUSTRIAL CHEMISTRY (LAB)	0	4.5	1.0	CHM015, CHM015L	CHM017
2	3	RES101	METHODS OF RESEARCH FOR MARITIME	4.5	0	3.0	MATH110	
2	3	MT170F-6	LEADERSHIP AND DISCIPLINE 6	0	4.5	(1.0)	MT170F-5	
Total				15	27	15		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
2	4	MT130P	BASIC SAFETY TRAINING	1.5	4.5	2.0		
2	4	MARE121-1	PROTECTION OF THE MARINE ENVIRONMENT	4.5	0	3.0		
2	4	SS021	SOCIETY & CULTURE w/ FAMILY PLANNING, STD, HIV & AIDS PREVENTION	4.5	0	3.0		
Total				10.5	4.5	8		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	1	EE153P	ELECTROTECHNOLOGY (PAIRED)	1.5	9	3.0	EE152P	
3	1	MARE105-1	AUXILIARY MACHINE 1	4.5	0	3.0	CHM017, ME104-2P	
3	1	MARE105-1L	AUXILIARY MACHINE 1 (LAB)	0	4.5	1.0	CHM017, ME104-2P	MARE105-1
3	1	MARE163P-1	MARINE POWER PLANT - STEAM 1 (PAIRED)	1.5	4.5	2.0	MARE162-2, MARE162L-2	
3	1	ENG038	MARITIME RESEARCH AND THESIS WRITING	4.5	0	3.0	RES101	
3	1	MT164-1	MARITIME LAW 1	4.5	0	3.0		
3	1	PE013	INDIVIDUAL DUAL SPORT	0	3.0	(2.0)		
Total				16.5	21	15		

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Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	2	ECE132-1	MARINE AUTOMATION	4.5	0	3.0	EE153P	
3	2	ECE132L-1	MARINE AUTOMATION (LAB)	0	4.5	1.0	EE153P	ECE132-1
3	2	MARE105-2	AUXILIARY MACHINE 2	4.5	0	3.0	MARE105-1	
3	2	MARE105-2L	AUXILIARY MACHINE 2 (PAIRED)	0	4.5	1	MARE105-1, MARE105-1L	MARE105-2
3	2	MARE163P-2	MARINE POWER PLANT - STEAM 2 (PAIRED)	1.5	4.5	2.0	MARE163P-1	
3	2	MARE111P-1	WATCHKEEPING FOR ENGINE OFFICERS WITH ENGINE ROOM SIMULATOR	3	4.5	3	MARE105-1, MARE162-1	
3	2	ME111-1	THERMODYNAMICS	3.0	0	2.0	MATH019, PHY017, PHY017L	
3	2	PE014	TEAM SPORTS	0	3.0	(2.0)	PE013	
Total				16.5	21	15		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	3	ECE132-2	MARINE INSTRUMENTATION AND CONTROL	4.5	0	3.0	ECE132-1	
3	3	ECE132L-2	MARINE INSTRUMENTATION AND CONTROL (LAB)	0	4.5	1.0	ECE132-1, ECE132L-1	ECE132-2
3	3	MARE105-3P	AUXILLIARY MACHINERY 3 (PAIRED)	3.0	4.5	3.0	MARE105-2, MARE105-2L	
3	3	MT164-2	MARTIME LAW 2	4.5	0	3.0	MT164-1	
3	3	MARE111P-2	ENGINE RESOURCE MANAGEMENT (ERM)	1.5	9	3.0	MARE111P-1	
3	3	ME112-1	ADVANCED THERMODYNAMICS	3.0	0	2.0	ME111-1	
3	3	MARE198-2	MARE CORRELATION 2	0	4.5	(1.0)	ECE132-1, EE153P, MARE105-2, MARE163P-1	
Total				16.5	22.5	15		

Year	Term	Code	Title	Lec Hrs	Lab Hrs	Credit Units	Prerequisites	Co-requisites
3	4	SS015	POLITICS AND GOVERNANCE w/ PHILIPPINE CONSTITUTION	4.5	0	3.0		
3	4	MT162	SHIPBOARD PERSONNEL MANAGEMENT	4.5	0	3.0		
3	4	HUM020	ETHICS	4.5	0	3.0		
Total				13.5	0	9		

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4	1	MT132P	ADVANCED SAFETY TRAINING	1.5	4.5	2.0	MT130P	
4	1	MARE199R	MARE SHIPBOARD TRAINING	-	99.9	40	MT130P	
Total				1.5	104.4	42		

Total Academic Units: 201