

Department : Automotive and Marine Technology

**Program: Marine Engineering Technology**

**Semester 1**

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
30	102	Technical English	3	3	3	0	0	30/99
76	105	Mathematics (1)	3	3	3	0	0	
56	113	Basic Physics	3	4	2	2	0	
51	105	Manufacturing Processes	1	3		3		
51	106	Material Technology	2	3	1	2		
01	101	Islamic Culture	2	2	2			

**Semester 2**

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
51	101	Fluid Mechanics	2	3	1	2		56/113
51	103	Engineering Mechanics	2	3	1	2		76/105
51	104	Naval Arch. & Ship Construction (1)	2	3	1	2		
51	107	Thermodynamics	3	4	2	2		56/113
76	106	Mathematics (2)	3	3	3	0	0	76/105
30	162	Technical Report Writing	3	3	3	0	0	30/102
51	116	Introduction to Engineering Tech.	2	2	2			

**Semester 3**

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
51	225	Marine engineering technical drawing	2	3	1	2		51/104
51	230	Marine Heat Engines	2	3	1	2		51/107
51	233	Marine Diesel Power Plants (1)	3	6	1	5		51/107
51	237	Auxiliary Machinery	3	5	2	3		51/101
30	171	Communication Skills	3	3	3	0	0	30/102
		General Elective Course						

**Semester 4**

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
51	239	Ships Systems	2	3	1	2		51/237
51	250	Marine Propulsion Systems	3	3	3			51/101
51	251	Marine Electro Technology (1)	2	3	1	2		51/103
51	253	Marine Diesel Plant Simulator	3	6	1	5		51/233
51	117	Marine Safety	2	2	2			
		Major Elective Course						
		Major Elective Course						

**Semester 5**

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
51	257	Marine Automatic Control	3	3	3			51/250
51	258	Marine Power Plants Maintenance	3	3	3			51/233
51	399	Field Training	4	16			16	30/162
		Major Elective Course						

**Major Elective Courses (6 Credits)**

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
51	301	Introduction to Offshore Technology	2	2	2			
51	302	Corrosion Protections & Monitoring	2	2	2			51/106
51	303	Marine Pollution & Maritime Law	2	2	2			
51	304	Naval Arch. & Ship Construction (2)	2	3	1	2		51/104
51	314	Shipyards Technology	2	3	1	2		51/104
51	315	Ship Operation & transportation	2	2	2			
51	333	Marine Diesel Power Plant (2)	2	3	1	2		51/233
51	335	Gas and Vapor Turbines	2	3	1	2		51/230
51	341	Refrigeration & Air Conditioning	2	3	1	2		51/107
51	352	Marine Electro Technology (2)	2	3	1	2		51/251
51	356	Pneumatic & Hydraulic systems	2	3	1	2		51/101
51	367	Project	2	3	1	2		51/237

**General Elective Courses (3 Credits)**

Code	No.	Course Name	Cr.	Hrs.	Theo.	Lab.	Field	Pre-req.
3	112	Work Ethics and Loyalty	3	3	3	0	0	
7	141	Art Education (1)	1	2		2	0	
7	142	Art Education (2)	1	2		2	0	07/141
8	110	Physical Education	1	2		2	0	
10	104	Research and Libraries	1	2		2	0	
13	151	Music Education	1	2		2	0	
15	114	Industrial Psychology	2	2	2	0	0	
18	101	Spanish Language	2	3	1	2	0	
21	164	Accounting	2	2	2	0	0	
22	104	Small Projects Management	2	2	2	0	0	
25	166	Industrial Economics	2	2	2	0	0	
30	107	General French Language (1)	2	3	1	2	0	
51	114	High Performance Boats	3	3	3		0	
57	102	Introduction of Contracts and Specification	3	3	3	0	0	
60	129	Cybersecurity Culture	3	4	2	2	0	
64	268	Creativity and Design in Technology	2	3	1	2	0	
65	205	Automotive Mechanics	3	3	3	0	0	
66	135	Energy and Water Conservation	3	3	3	0	0	
79	103	Oil Culture	3	3	3	0	0	