

CENTRE FOR MARITIME STUDIES

Advanced Certificate in Marine Engineering

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE/CP	FEE	
1	1	CHE003	Industrial Chemistry	Nil	2	3	83	166	
		ELE007	Electrical, Electronic and Control Engineering Generating Plant	Nil	6	2	58	348	
		MAR001	Maintenance and Repair of Marine System at Operational level (A)	Nil	13	2	58	754	
		MAT007	Mathematics	Nil	5	3	83	415	
		PHY001	Basic Engineering Science	Nil	3	3	83	249	
		PHY007	Thermodynamics	Nil	5	3	83	415	
		PHY009	Mechanical Science	Nil	3	3	83	249	
	Semester Total								2,596
	2	2	MAR003	Maintenance and Repair of Marine System at Operational level (B)	Nil	10	2	58	580
			MAR005	Marine Engineering Drawing and Design	Nil	6	2	58	348
			MEC031	Material, Processes, Fabrication	Nil	5	2	58	290
			MEC069	Safe Working Practice and use of Hand Tools	Nil	5	2	58	290
			MST001	Pollution-Prevention requirements and stability	Nil	3	2	58	174
			MST003	Monitor Compliance with Legislative Requirements	Nil	2	2	58	116
NVA009			Ship Construction (for Marine Engineering)	Nil	3	2	58	174	
Semester Total								1,972	
2	3	ELE031	Safety and Characteristics of Ship Board Electrical System and Basic Safety	Nil	3	3	83	249	
		ELE041	Electrical Tests and Measuring Instruments	Nil	0	3	83	-	
		MEC027	Marine Pump and System	Nil	1	2	58	58	
		MEC035	Operate Main and Auxiliary and Associated Control System	Nil	17	2	58	986	
	Semester Total								1,293
TOTAL								5,861	

Advance Certificate in Marine Operation

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE/CP	FEE	
1	1	MAT019	Mathematics (Nautical Studies)	Nil	10	2	58	580	
		NAV001	Celestial Navigation	Nil	10	2	58	580	
		NAV005	Electronics Navigation Aids	Nil	6	2	58	348	
		NAV009	Compass and Steering Control Systems	Nil	6	2	58	348	
		NAV011	Meteorology	Nil	10	2	58	580	
		NAV013	Signals	Nil	6	2	58	348	
		NVA025	Ship Construction	Nil	10	2	58	580	
		PHY011	Physical Science Part - A (Nautical Studies)	Nil	10	2	58	580	
	Semester Total								3,944
	2	HAS003	Emergencies and Distress	Nil	6	2	58	348	
		MST015	Group Project	Nil	3	2	58	174	
		MST005	Cargo Work	Nil	10	2	58	580	
		MST007	Legislation and Pollution Prevention	Nil	6	2	58	348	
		NAV003	Terrestrial and Coastal Navigation	Nil	20	2	58	1,160	
		NAV007	Watch keeping & Ship Maneuver	Nil	10	2	58	580	
NVA017		Ship Stability	Nil	10	2	58	580		
PHY013		Physical Science Part - B (Nautical Studies)	Nil	10	2	58	580		
Semester Total								4,350	
TOTAL								8,294	

Certificate 3 in Marine Engineering

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE/CP	FEE
1	1	ELE057	Shipboard Electrical System	Nil	12	2	58	696
		MAR007	Workshop Technology	Nil	6	2	58	348
		MAR009	Fabrication and repair	Nil	12	2	58	696
		MAR011	Marine Pump System	Nil	6	2	58	348
		ELE059	Electro Technology 1	Nil	12	2	58	696
		MAR013	Power Plant Operation 1	Nil	12	2	58	696
		MAR015	Basic Engineering Science	Nil	6	2	58	348
		MAR017	Basic Engineering Watch	Nil	3	2	58	174
		MAT039	Marine Mathematics	Nil	6	2	58	348
TOTAL								4350

Certificate 3 in Marine Operation

Yr	Sem	Subject Code	Subject Name	Pre-requisite	Credit Points	FEE BAND	FEE/CP	FEE
1	1	HAS011	Bridge Watch keeping and Respond to Emergencies and Distress	Nil	3	2	58	174
		MST011	Basic Cargo Work	Nil	5	2	58	290
		MST013	Basic Legislation and Pollution Prevention	Nil	1	2	58	58
		NAV015	Basic Electronic Navigation Aids	Nil	3	2	58	174
		NAV017	Basic Meteorology	Nil	3	2	58	174
		NAV019	Basic Ship-handling	Nil	4	2	58	232
		NAV021	Basic Terrestrial and Coastal Navigation	Nil	7	2	58	406
		NVA027	Basic Ship Construction and Stability	Nil	3	2	58	174
TOTAL								1,682

