

BACHELOR PROGRAM IN MARINE NAVIGATION

Number of credits required: 130

Semester	Code	Subject	Number of credit
1 (17 credits)		Fundamental principles of Marxism-Leninism 1	2
		Algebra	3
		General Physics A	4
		General Informatics	3
		English 1	3
		Physical Education 1	
		Elective subjects 1: 2 credits required	2
		Fundamentals of Psychology	2
		<i>Fundamentals of Legislation</i>	2
		General Logistics	2
2 (19 credits)		Fundamental principles of Marxism-Leninism 2	3
		Analysis	4
		General Chemistry	3
		Communication skills	2
		English 2	4
		Physical Education 2	
		Elective subjects 2: 2 credits required	3
		Probability and Statistics	3
		Descriptive Geometry and Eng. Drawing	3
3 (19 credits)		Revolutionary Policies of Vietnamese Communist Party	3
		<i>Engineering Mechanics</i>	3
		Introduction on engineering	2
		<i>Fluid Engineering</i>	3
		<i>Electrical Engineering</i>	2
		Physical Education 3	
		Elective subjects 3: 6 credits required	6
		Ship Maintenance	3
		Ship's Engine	3
		IMO Standard Marine Communication Phrases - IMO SMCP	3
		Machine Theory and Mechanism	3
		Engineering Materials	3
4 (19 credits)		Ho Chi Minh's Ideology	2
		<i>Ship Structure &amp; Theory</i>	4
		<i>Electronic Engineering</i>	3
		<i>Law of the Sea and Maritime Laws</i>	4
		Elective subjects 4: 6 credits required	6
		Shipping Economy	3
		Engineering Thermodynamics	3

		Safety Techniques	3	
		Environment Protection in Navigational Operations	3	
<b>5 (15 credits)</b>		<i>Research Methodology</i>	2	
		Ship Electricity	3	
		<i>Automatic Control</i>	3	
		<i>Goods Loading &amp; Transport</i>	4	
		<i>Mechanical Workshop Praticum</i>	3	
		<b>For Marine Navigation Program</b>		
<b>6 (16 credits)</b>		<i>Meteorology - Oceanography</i>	3	
		<i>Terrestrial Navigation and Magnetic Compass</i>	6	
		<i>Seamanship Techniques - International Code of Signals</i>	3	
		Marine Electric Equipment	4	
		<b>For Marine Engineering Operation Program</b>		
		<i>Internal Combustion Engines</i>	4	
		<i>Ship Power Equipments and Project</i>	5	
		<i>Installation, Repairing Ship Power Equipment</i>	4	
		<i>Marine Engineering Management</i>	3	
		<i>Specialized Practice (8 weeks)</i>	4	
<b>7 (15 credits)</b>		<b>For Marine Navigation Program</b>		
		<i>Nautical Astronomy</i>	3	
		<i>Ship Maneuvering</i>	4	
		<i>Marine Radio Electronic Equipment</i>	4	
		<b>For Marine Engineering Operation Program</b>		
		<i>Ship Equipment and Project</i>	4	
		<i>Auxiliary Machineries</i>	3	
		<i>Marine Propulsion System Operations and Project</i>	4	
		<i>Practice (6 weeks)</i>	2	
	<b>8 (10 credits)</b>		<b>For Marine Navigation Program</b>	
		Elective subjects 5: 2 credits required	2	
		Preventing Collisions at Sea	2	
		Nautical Geography	2	
		Bridge Team Management	2	
		Elective subjects 6: 6 credits required	6	
		Marine Insurance	3	
		Navigational Informatics	3	
		Pilotage	3	
		Emergency Procedures	3	
		Ship's Stability	3	
		<b>For Marine Engineering Operation Program</b>		
		Elective subjects 5: 2 credits required	2	
		Fuels and Specialized Liquids	2	
		Marine Boilers and Turbines	2	
		Registration of Ships	2	
		Elective subjects 6: 6 credits required	6	
			3	

		Marine Diesel Engines Praticum	
		Corrosion and Protection of Materials	3
		Management of Repairing Marine Engines	3
		Basic Rules and Safety at Work	3
		Crane Machinery	3