

**CURRICULUM**  
**B.Sc. in Navigation**  
**Eight Full-time Semesters**

No	Subjects	YEAR	Credits
1	Mathematical Basics of Navigation	1	5
2	Introduction to Maritime Law	1	2
3	Informatics	1,2	5
4	Mathematical Processing of Navigational Information	2	5
5	Physics	2	5
6	Technical Mechanics and Engineering Graphics	2	5
7	Electrical Engineering	3	4
8	Radio Electronics	3	5
9	Industrial Chemistry	2	2
10	English Language – (60,45,45,75)	1,2,3,4	32
11	Seamanship	1	3
12	Geodesy, Cartography and Piloting	4	3
13	Meteorology and Oceanography	3	4
14	Basics of Navigation	3,4	5
15	Astronavigation	3	4
16	Ship Radar Systems - ARPA		5
17	Electro Navigational Devices	4	4
18	Radio Navigational Devices	4	2
19	GMDSS - GOC		9
20	International Regulations for Preventing Collisions at Sea - 60	4	7
21	Ship Position Fixing		6
22	Maneuvering and Radar Navigation - 30	4,5	5
23	Ship Manoeuvring and Handling		7
24	Navigation in Special Conditions		4
25	Bridge Team Management		4
26	Ship Seaworthiness		3
a.	ECDIS		3
27	Fleet Organization and Management	4	3
28	Ship Maintenance and Repair		3
29	Cargo Handling and Stowage		9
30	Commercial Fleet Management		4
31	Basic Safety Training	1	5
31.1	Proficiency in Personal Survival Techniques	x	
31.2	Fire Prevention and Fire Fighting	x	
31.3	Personal Safety and Social Responsibilities	x	
31.4	Elementary First Aid	x	
31.5	Proficiency in Security Awareness	x	
32	Ship Theory and Construction	3	7
33	Environmental Protection		2
34	Ship Service Regulations and Safety on Board	4	2
35	Safety of Shipping (ISPS Code)	4	1
36	Maritime Law		4
37	Physical Education and Sport	1,2,3,4	2
38	Ports	3	3
39	Ship Power Plants		2

No	Subjects	YEAR	Credits
40.1	Organizational Behaviour	1	3
40.2	Psychology of Crew Management	1	
41.1	Introduction to Microeconomics	2	3
41.2	Principles of Economics	2	
42.1	Company Management	3	3
42.2	Company Identity and Branding	3	
43.1	Decision Making Theory	4	3
43.2	Techniques of Choice and Management Techniques	4	
43.3	Risk Analysis and Risk Management in Shipping	4	
<b>ADDITIONAL COURSES</b>			
44	English	1,2	5
46	Sailing	2	1
47	Physical Training and Sport	1,2,3,4	6
48	Intensive Course in English (SE)		<b>2</b>

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