

Navigation

full time - bachelor's degree

First course

First Semester

Nº	Course	Hours	Final Exam	Ongoing Assessment
Compulsory Courses				
1	Mathematical Fundamentals of Navigation	60	X	
2	Basics of Information Technologies	30		
3	Physical Education and Sport	15		
4	English Language	60		
5	Industrial Chemistry	30		X
6	Seamanship Practice	45	X	
Elective Courses				
1	Organizational Behaviour	45		X
2	Psychology of Crew Management	45		X
Optional Courses				
1	English Language	15		
2	Physical Education and Sport	15		

Second Semester

Nº	Course	Hours	Final Exam	Ongoing Assessment
Compulsory Courses				
1	Mathematical Processing of Navigational Information	60	X	
2	Physics	60	X	
3	Mechanics and Engineering Graphics	30	X	
4	Basics of Information Technologies	30		X
5	Exploitation of Maritime Spaces	30		X
6	Proficiency for Seafarers with Designated Security Duties	15		X
7	Ports	30		X
8	Physical Education and Sport	15		X
9	English Language	45		
10	Proficiency in Personal Survival Techniques	16		X
11	Fire Prevention and Fire Fighting	15		X
12	Personal Safety and Social Responsibilities	14		X
13	Elementary First Aid	16		X
Elective Courses				
1	Introduction to Microeconomics	45		X
2	Decision Making Theory	45		X
Optional Courses				
1	English Language	15		X
2	Handling of Sailing Ships	15		X
3	Physical Education and Sport	15		X
Practice				
1	Sea Camp	15		X

Second course

Third Semester

Nº	Course	Hours	Final Exam	Ongoing Assessment
Compulsory Courses				
1	Radio Electronics	60	X	
2	Electrical Engineering	45		X
3	Physical Education and Sport	15		
4	English Language	45	X	
5	Meteorology and Oceanography	79	X	
6	Astronavigation	60		X
7	Costal navigation and position fixing	30		
8	Ship Theory and Construction	90	X	
9	Basics of Navigation	30		
Optional Courses				
1	Physical Education and Sport	15		
Elective Courses				
1	Company Management	30		X
2	Company Identity and Branding	30		X

Fourth Semester

Nº	Course	Hours	Final Exam	Ongoing Assessment
Compulsory Courses				
1	Physical Training and Sport	15		X
2	English Language	75		X
3	GMDSS GOC	109		X
4	International Regulations for Preventing Collisions at Sea	60	X	
5	Ship Service Regulations and Safety on Board	30		X
6	Fleet Organization and Management	30		X
7	Costal navigation and position fixing	30	X	
8	Marine Environment Awareness	13		X
Optional Courses				
1	Physical Education and Sport	15		X
Practice				
1	On Board Training			X

Third course

Fifth Semester

Nº	Course	Hours	Final Exam	Ongoing Assessment
Compulsory Courses				
1	English Language	60		X
2	Manoeuvring and Radar Plotting	45	X	
3	Ship Handling and Manoeuvring (1)	30		X
4	Electrical Navigation Devices	45		
5	Geodesy, Cartography and Pilotage	45		X
6	International and National Regulation of Merchant Shipping	45	X	
7	Position lines and radionavigation fixing	68		
Elective Courses				
1	Decision Making Theory	30		X
2	Techniques of Choice and Management Techniques	30		X
3	Risk Analysis and Risk Management in the Shipping	30		X
4	Marketing of Transport Services	30		X
5	Marketing research of the freight market	30		X
Optional Courses				
1	Physical Education and Sport	30		

Sixth Semester

Nº	Course	Hours	Final Exam	Ongoing Assessment
Compulsory Courses				
1	English Language	45	X	
2	Position lines and radionavigation fixing	15	X	
3	Ship Handling and Manoeuvring (2)	30	X	
4	Ship Security (ISPS Code)	10		
5	Cargo Handling and Stowage (1)	30		X
6	Using Radar and ARPA for Safety of Navigation and Collision Avoiding at Sea	60		X
Optional Courses				
1	Physical Education and Sport	30		X
Practice				
1	On Board Training (min. 90 days)			X

Fourth course

Seventh Semester

Nº	Course	Hours	Final Exam	Ongoing Assessment
Compulsory Courses				
1	English Language	45		X
2	Operational Use of ECDIS	40		X
3	Cargo Handling and Stowage (2)	30		
4	Marine Environment Awareness (2)	15		
5	Voyage planning	45		X
Optional Courses				
1	Physical Education and Sport	30		

Eight Semester

Nº	Course	Hours	Final Exam	Ongoing Assessment
Compulsory Courses				
1	English Language	45		
2	International Regulations for Preventing Collisions at Sea	30		X
3	Ship Seaworthiness	30		X
4	Bridge Team and Resource Management	40		X
5	Ship Maintenance and Repair	30		X
6	Cargo Handling and Stowage (3)	60	X	
7	Commercial Fleet Management	45		X
8	Safety of navigation and Risk assessment management	30		X
Optional Courses				
1	Physical Education and Sport	30		X