



BATUMI  
NAVIGATION  
UNIVERSITY



# MARITIME NAVIGATION



BACHELOR'S  
PROGRAMME

2026





## ABOUT THE BATUMI NAVIGATION UNIVERSITY



Batumi Navigation University (BNU), founded in 1999 by deep sea captain Parmen Khvedelidze, is the first private maritime school in Georgia. It continues to enhance the quality of Georgian maritime education and secure a unique position for the country in the international maritime arena.

BNU is a competitive, high-tech, internationally recognized, well-known higher educational institution that provides quality, international and national employment market-oriented education and creation of new knowledge in the field.

Maritime-Engineering Faculty, Business and Logistics Faculty, Vocational Education Department and International Maritime Training Center are the main educational units of BNU, providing training and retraining for students, vocational students, graduates and active seafarers.

Our advantage lies in an infrastructure corresponding to modern standards and the material and technical resources, necessary for the implementation of a high-quality educational process. Highly qualified personnel with academic and practical experience are involved in the education process.

Our priority is to create a student-centered environment where each student can realize their potential.

## LETTER FROM THE RECTOR



**PARMEN KHVEDELIDZE**  
Rector and Founder

Choosing a profession is challenging. It is hard to predict your life's purpose, where and how you will achieve self-realization, align your aspirations with your obligations and determine if a particular profession suits you. There are many questions without immediate answers, but one thing is certain when making your decision—you must love the job you choose.

I can honestly tell you why I chose seafaring and why it remains my professional passion—I wanted freedom. I could not adapt to prohibitions and boundaries; I needed to run, to show strength and courage. I wanted to test myself beyond the environment I was born into. I wanted to see the world as it is, travel, explore countries and cultures and sail the seas and oceans. Seafaring was my ticket to freedom.



Today, there are no more iron curtains or closed borders, but believe me, the seafaring profession still offers a path to inner freedom, self-overcoming and self-mastery. Those who choose this profession shape their own destinies. A seafarer is a world citizen, bearing great responsibility to their country and, indeed, to the world. Boarding a ship under any national flag makes you a representative of that nation in every port you visit. You must uphold the flag's honor and love people. Seaman-ship constantly tests your strength, dignity, relationships and diplomacy. You must love this job!

Why should you choose the Batumi Navigation University if you decide to become a seafarer? Because I founded it out of love and devotion to my profession. I began this work deeply convinced that our country's prosperity depends on having many highly qualified maritime professionals. Your welfare, your families' welfare, and your participation in the economic strengthening of the country are vital public matters.

Georgia is a sea transit country. The Nobel brothers seized this unique opportunity to export Caspian oil to Europe, initiating the Batumi port's rise to global importance. This marked the beginning of Batumi's rapid development and enrichment, a city whose beauty, architectural monuments and history we proudly celebrate today. The construction of the Transcaucasian highway and the increasing volume of cargo passing through Georgia, along with the prospects of new deep-water ports, pose significant challenges to the maritime education system. We need to train specialists in port management and transport logistics at the bachelor's and master's levels. These specialists will shape our country's modern history. That is why our university is strengthening its logistics faculties and guiding your attention toward new, in-demand specialties.

Batumi Navigation University offers international-standard training programs and certified courses, providing optimal conditions for developing high professional habits and skills. Your teachers are top-class specialists, experienced deep-sea captains and mechanics. Our team comprises individuals who love their profession. We are confident that the development of the maritime industry, transport logistics, and cargo management is crucial for Georgia's future and that you represent the best future of our country!

Sincerely,  
Rector, Professor and Deep-Sea Captain,  
Parmen Khvedelidze









## EDUCATIONAL PROGRAMME DESCRIPTION

Taking into account the growing demands of the maritime sector in the world economy, it is necessary to offer educational programmes in the maritime sector that ensure the training of competitive, qualified specialists in this field, including ship navigators, who, taking into consideration of the norms established by the International Marine Organization (hereinafter referred to as - IMO), national legislation and educational standards, will be able to fulfill the set of duties and responsibilities established by the relevant regulations of the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978/95, as amended in 2010 (hereinafter - the STCW Convention).

Sectoral basis of this programme: IMO International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978/95, as amended in 2010, the Law of Georgia on Training and Certification of Seafarers, Higher Education Sector Benchmark “Maritime Navigation”.

EDUCATIONAL PROGRAMME	MARITIME NAVIGATION
QUALIFICATION TO BE CONFERRED	BACHELOR OF NAUTICAL SCIENCE
PROFESSION	SHIP'S NAVIGATOR
HIGHER EDUCATION STAGE	I STAGE (BACHELOR'S PROGRAM)
PROGRAM SCOPE IN CREDITS	240 ECTS
PROGRAMME STRUCTURE	<p>The educational program comprises a total of 240 ECTS credits, which include:</p> <ul style="list-style-type: none"> <li> Compulsory courses in the main study field: 231 ECTS</li> <li> Elective courses in the main study field: 5 ECTS</li> <li> Free component: 4 ECTS</li> </ul> <p>Order of studying of programme components (academic courses, internships etc. provided for by curriculum) provides transfer of knowledge in accordance with the principle: "From general to particular, from simple to difficult", and step-by-step development of already acquired knowledge and skills.</p>
HEAD OF PROGRAMME	GEORGE GABEDAVA Professor
LANGUAGE	 GEORGIAN



# PROGRAMME STRUCTURE



#	I Semester	II Semester
1	English (I)	English (II)
2	Mathematics (I)	Mathematic (II)
3	Physics (I)	Physics (II)
4	Information Technologies and Data Analysis	Navigation Geography
5	Chemistry	Ship's Construction and Equipment
6	Introduction in the Specialty	Navigation (I)
7	Special Course in Georgian Language	<u>Free Component (elective study course)</u>

#	III Semester	IV Semester
1	Maritime (Navigation) English (I)	Maritime (Navigation) English (II)
2	Safety and Health Protection at Sea	Maritime Meteorology
3	Navigation Bridge Equipment and Panels for Monitoring	Ship's Power Plants
4	Maritime Law and Conventions	Prevention of Marine Pollution and Methods of Prevention Pollution (GEO/ENG)
5	Maintain of Safe Navigational watch (COLREG) - (GEO/ENG)	Ship Handling and Maneuvering (I)
6	Navigation (II)	Navigation (III)

#	V Semester	VI Semester
1	Maritime (Navigation) English (III)	Maritime (Navigation) English (IV)
2	Astro Navigation (I)	Astro Navigation (II)
3	Maritime Cargo Handling Technologies	Maritime Radio Communication, Telecommunication (GMDSS)
4	Ship's Radio Navigational Devices and Radar Systems (RADAR)	Ship Handling and Maneuvering in Special Conditions
5	Ship Handling and Maneuvering (II)	Ensuring Safe Navigation Using Electronic Charts - ECDIS (II)
6	Ensuring Safe Navigation Using Electronic Charts - ECDIS (I)	





#	VII Semester	VIII Semester
1	Maritime (Navigation) English (V)	Maritime Practice
2	Commercial Exploitation of Maritime Transport (GEO/ENG)	
3	Ship's Stability	
4	Bridge Resource Management (GEO/ENG)	
5	Leadership and Teamwork (GEO/ENG)	
6	Main study field component (Elective part)	


Main Study Field Component - Elective Courses		
#	II Semester	VI Semester
1	Computer Engineering Graphics	Bachelor's Thesis
2	Introduction to Academic Writing	Cyber Security in the Maritime Industry
3	History of Seafaring	Maritime Insurance
4	Democracy and Citizenship	Maritime Labor Convention (MLC)
5	Corporate Social Responsibility	Professional Psychology
6	Georgian History in the Context of the World	
7	Basics of Political Science	
8	Main Principles of Management	
9	"Free Elective Credits" (courses selected from another bachelor's degree program)	







## ADMISSION TO THE EDUCATIONAL PROGRAM IS A PREREQUISITE:

-  Complete general education;
-  Enrollment at the programme is made on the basis of Unified National Exams (ranking document) except for the cases, provided for by the Law of Georgia;
-  Enrollment without Unified National Exams shall be made in special cases, specified in accordance with the rules, specified under the Law;

 A person who wants to study at the programme and his/her native language is not Georgian, is obliged to confirm command of Georgian language at least B1 level (present a certificate/document confirming command of Georgian language (if any) or pass an internal exam (testing) in the Georgian language; Persons who have received a complete general education in Georgia or have been awarded an academic degree by a higher educational institution of Georgia as a result of studying a Georgian language program are exempted from the submission of a confirmation document and testing;

 Continuation of study by this Bachelor's program (hereinafter referred to as the - Program) in accordance with the effective Law of Georgia is possible by mobility for BNU and other higher educational institution students of the same higher education stage educational programs (Compatibility of study outcomes already achieved by students with this program shall be established in compliance with the regulations, relating to the recognition of education (credits), effective in BNU in accordance with the Law of Georgia);

 In accordance with the Law of Georgia and statutory documents of International Maritime Organization (International Convention on Standards of Training, Certification and Watch keeping for Seafarers, 1978/95, as amended in 2010), corresponding health condition is a prerequisite for admission to this Program, which is necessary for study of specific program components and achievement of planned learning outcomes. State of health shall be indicated in corresponding medical certificate (Form N100), which is issued by medical institution approved by LEPL Maritime Transport Agency (Marine Medical Center "Sagitarius"; address: 91 Z.Goriladze Street, Batumi).



## EDUCATIONAL PROGRAMME OBJECTIVES



The programme aims at training of highly skilled, fieldwork-oriented marine field expert (ship's navigator) with the competences corresponding to the requirements of international education and labor markets and established by STCW Convention regulations, who:

- Has theoretical knowledge corresponding to the requirements of the regulations of the STCW Convention necessary for professional activity and practical skills of fulfilling the obligations and responsibilities of a ship navigator, understanding the specifics of the profession and the obligations to be fulfilled, evaluating and analyzing the problem and making the right decisions within the scope of his competence, acting promptly and in accordance with established standards/rules, as well as official skills, responsibility for performance of functions and persons on board;
- Has a skills of assessment and analysis of the situation/information/data with a high degree of independence using appropriate methods, identification of the causes of technical, professional, social and/or ethical problems, cause-effect relationships and possible risks, assessment and analysis of complex, difficult/unforeseen problems, choosing and justifying the correct ways of their solution, working in a team, choosing the right communication and behavior model, selecting and using appropriate technical/technological resources for work performance, including information and communication technologies and specific computer programs;
- Has motivation for personal and professional development;
- Is able to understand and protect ethical peculiarities of maritime field and multicultural team;
- Through the application of acquired knowledge and skills and their further independent development realize competencies and skills in practical and public activity and career progression.






# LEARNING OUTCOMES




## KNOWLEDGE AND UNDERSTANDING



-  **THE ALUMNI EXPLAINS** the fundamental principles, terminology, techniques, and the significance of navigational aids, symbols and charts related to maritime navigation for ensuring safe navigation.
-  **DESCRIBES** international maritime conventions, regulations and safety procedures governing maritime operations, as well as, the rights and responsibilities of shipowners, crew members and passengers. This includes collision prevention, navigational lights, emergency response protocols, environmental protection and other relevant regulations.

## SKILLS

-  **ANALYZES** navigational data, environmental factors, ship stability characteristics, cargo stowage and handling principles, key aspects of a vessel's technical condition and maintenance, technical specifications and regulatory requirements in order to identify potential hazards and make informed decisions regarding voyage planning.
-  **DEVELOPS** a voyage plan by integrating knowledge of celestial navigation, electronic navigation systems and meteorology.
-  Comprehensively **EVALUATES** the effectiveness of navigation strategies to ensure vessel stability, safety and compliance with maritime regulations.
-  **ESTABLISHES** effective communication (both oral and written) using the International Maritime Organization (IMO) Standard Marine Communication Phrases, information and communication technologies and computer software to address navigational matters with crew members, ports, and other stakeholders in order to ensure safe navigation and efficient operations.
-  **APPLIES** search and rescue procedures in maritime emergencies, as well as fire-fighting, medical emergency response and pollution prevention and control measures.

## RESPONSIBILITY AND AUTONOMY

-  In the working environment, under unforeseen conditions and navigational challenges - including emergency situations and risks arising from improper cargo stowage or distribution - the graduate **ACTS** in accordance with modern approaches to vessel maintenance and safe operation. Using appropriate procedures and resources, takes responsibility for decisions made and actions undertaken.

-  In professional activities and maritime operations, demonstrates leadership and teamwork skills while working with colleagues, and **ACTS** in accordance with ethical and social norms, taking into account the ethnic, cultural and social values and characteristics of a multicultural team/crew.
-  **RECOGNIZES** the importance of innovation for successful professional practice and career advancement and demonstrates the ability to independently update knowledge and develop professional competencies.



## EMPLOYMENT

- In accordance with STCW Convention and the Law of Georgia on Training and Certification of Seafarers, on the basis of fulfilment of ship navigator's certification requirements and recognized term of service on a ship and corresponding training, the programme graduate can gradually obtain next rank of ship navigator of commanding staff of ocean-going and trade vessel, and hold the position from the shipmaster's watch mate to the shipmaster. The programme graduate can be employed on sea-going, commercial, passenger, fishing, port support fleet, etc. Vessels at the supporting, maintenance and management levels.
- A graduate can be employed in state or private institutions related to the field of maritime transport - international shipping and crewing companies, ship repair and other repair enterprises, seaports, mechanical workshops, etc.

## TEACHING AND LEARNING METHODS



In teaching and learning process, taking into account of specificity of the programme component there are applied means of transferring of knowledge to a student (e.g., lecture, work in task group, practical work, teaching with e-resources etc.), which in its turn include relevant activities (e.g. discussion, demonstration, presentation etc.) and their selection is aimed to the transfer of knowledge to students, as well as stimulation of involvement of students in education process and formation and development of various skills (for example, analysis of information, reasoning, formation and justification of conclusions, discussion etc.).

Used methods provide achievement of field and/or general competencies planned in accordance with programme component and combination of methods, used in all components of the programme - formation of industry and general (transferable) competence of alumni, planned in accordance with the programme.





## STUDENT EVALUATION

Level of achievement of learning outcomes by a student is evaluated by 100-points (max 100 points) system. Bachelor's educational programme is composed of academic components and their evaluation includes two forms - interim evaluation (max 60 points) and final evaluation (max 40 points); minimum competency limit is fixed for both forms (stated in programme component syllabuses). Assignment of credit in educational component using only one form of evaluation (interim or final) shall not be allowed. Final evaluation (grade point) of programme component is a sum of grade points received in interim and final forms of evaluation (Grade point obtained as a broken number is rounded up to whole number in accordance with the rounding rule: 4 and less - and less - rounded down, 5 and more - rounded up). In accordance with the effective Law of Georgia, 100-points system of evaluation of students in BNU allows 5 good and 2 bad evaluation marks.

PROGRAMME COMPONENTS	max 100 POINTS		EVALUATION FORMS	EVALUATION		max 100 POINTS					
Academic component: Study courses Internship component Bachelor's thesis	100	60	Interim evaluation	1	Excellent	A	91 and more points				
				2	Very good	B	81-90 points				
				3	Good	C	71-80 points				
				4	Sufficient	D	61-70 points				
				5	Insufficient	E	51-60 points				
	GOOD GRADES										
	100	40	Final evaluation	1	Did not pass	FX	41-50 points				
				2	Fail	F	40 and less				
				FAILING GRADES							

Fx grade means that student needs more work and he/she is allowed to pass the additional exam once again within the same semester by individual work; in case of Fx grade, additional exam is scheduled no later than within 5 calendar days after announcement of final exam results. Grade, received at additional exam is a conclusive evaluation and set forth in final evaluation of programme component. In case of 0-50 points in final evaluation of programme component, taking into consideration of points of additional exam, F grade (0 points) is assigned to a student. "F" grade means, that work done by a student is not sufficient and he/she shall restudy programme component. Credit may be received only in case of one of the good grades in accordance with the Law.

## QUALITY ASSURANCE OF EDUCATIONAL PROGRAMME



The personnel involved in the Maritime Navigation educational program collaborates with the university's quality assurance department in planning the evaluation process, developing assessment tools, and conducting evaluations for the educational program

The Quality Assurance Service of BNU is one of the management entities at the university, established to develop and oversee policies, mechanisms and procedures for quality assurance. Its responsibilities include evaluating and improving teaching and research standards, assessing educational and scientific research, ensuring the qualifications of personnel, and maintaining the quality of students' education and learning processes. The service ensures that BNU's educational activities and quality align with both Georgian and international standards.

The Quality Assurance Service operates in accordance with Georgian legislative and sub-legal normative acts, international education standards applicable in Georgia, and the ISO international standard for quality management systems.



## PROGRAMME MATERIAL RESOURCES

### PROVISION OF PROGRAMME WITH THE RESOURCES ESTABLISHED BY “MARITIME ENGINEERING” SECTOR BENCHMARK:

Material and technical resources, corresponding to the International Standard ISO 9001:2015, and owned by BNU, among them:

- Classrooms, computer classes, language room, navigation etc. rooms;
- Library book collection (printed and on electronic media), video- and audio - collections, visual materials, International Witherbys Library (e-library);

### LABORATORIES:

- Electro-radio-navigation equipment laboratory
- Ship handling laboratory
- Laboratory of physics
- Chemistry laboratory

### 1. SIMULATORS:

- Navi-Trainer Pro 6 ver. 6.02 Full Mission Simulator;
- Navi-Trainer Pro 6 ver. 6.02 ECDIS/Radar/ARPA;
- RADAR/ARPA Module Simulator;
- Global Maritime Distress and Safety Systems (GMDSS) Simulator TGS 5000 v8.5;
- Liquid Cargo Handling Simulator (LCHS 5000);
- Lifeboat Simulator;
- Fire-Fighting Training Facility.

## 2. SPECIAL ROOMS:

- Elementary First Aid course room;
- Fire prevention and Fire Fighting course room;
- Personal Safety and social responsibilities course room;
- Personal Survival Techniques course room;
- Basic Training for Oil and Chemical Tanker Cargo Operations course room;
- Advanced Training for Oil and Chemical Tanker Cargo Operations course room;
- ISPS Code course room;
- Dangerous goods course room;
- ECDIS course room (use of Electronic Chart Display and Information System devices);
- Ship Handling Simulator & Bridge Resource Management course room;
- Global Maritime Distress and Safety Systems (GMDSS) course room;
- RADAR Navigation, Radar Plotting, use of ARPA course room;
- Liquid Cargo Handling Simulator (LCHS 5000) course room.

## 3. Teaching and training pool;

4. Students undertake the practical component, provided for by the programme curriculum at the training ship and on ocean-going vessels, with the assistance of the navigation and crewing companies.



## TUITION FEE PAYMENT METHOD

The university permits students to pay their tuition fees in four installments throughout the year, with the payment schedule provided to students at the start of their studies. It is essential to adhere to the payment deadlines; failure to do so will result in ineligibility for the next stage of study.













## BATUMI NAVIGATION UNIVERSITY

 38 Tamar Mephe Avenue, Makhinjauri, Batumi

 +995 514 40 88 40

 info@bnu.edu.ge

 www.bnu.edu.ge

 Batumi Navigation University