



ROMANIAN NAVAL ACADEMY

NAVY OFFICERS **NAVIGATION, HYDROGRAPHY AND NAVAL EQUIPMENT** **BACHELOR'S DEGREE (4 YEARS)**



WHY NAVY?

If you are the kind of person who likes uniform, adrenaline, traveling and seeing the world, but at the same time you want to do something important for your country, then the career of an officer in the Navy is what you need!

Think about it: You will sail all the seas and oceans, discover new places and interesting people. Plus, you'll learn a lot of new things, become a true leader, and make friends for life!

Do you know what is most interesting? You will have a stable job, with a good salary and many, many benefits. In addition, you will be respected by everyone for your courage and dedication.



Bonus! You will sail with the Training Ship "MIRCEA"

If you are a responsible, disciplined person with a spirit of adventure, don't think twice!

The career of navy officer is for you!

WHY ROMANIAN NAVAL ACADEMY?



Our Academy is an institution of tradition and prestige, has a long history and a solid reputation, and is recognized as a center of excellence in training of naval officers.

Here is who we are and what we offer you:

- **Accredited and relevant study programs:** We offer accredited bachelor's and master's degree programs, tailored to the requirements of the maritime industry and international standards.
- **Qualified and experienced teaching staff:** our teachers are specialists in the field, with extensive practical and didactic experience, ensuring rigorous and up-to-date training.
- **Modern infrastructure and specialized facilities:** The Academy has modern classrooms and laboratories, a navigation simulator, a planetarium, a swimming pool, sports facilities and a well-maintained campus.
- **Strategic collaborations and partnerships:** The Academy collaborates with higher education institutions and maritime companies in the country and abroad, providing students with opportunities for internships and employment.
- **Active student life:** Students engage in various extra-curricular activities, such as sports clubs, science circles, volunteering, and cultural events, contributing to their personal and professional development.
- **Successful career in the maritime field:** Graduates of the "Mircea cel Bătrân" Naval Academy are sought after by employers in the maritime industry, benefiting from a high employment rate and career advancement opportunities.
- **Military Training and Personal Development:** In addition to academic and professional training, students benefit from military training, leadership skills development, and team spirit.
- **Career support and guidance:** Students benefit from career counselling and guidance, support in finding a job and continuous professional development.

Strategic location: Located in Constanta, Romania's main seaport city, the academy offers easy access to ships, shipyards and maritime industry.

WHY NAVIGATION, HYDROGRAPHY AND NAVAL EQUIPMENT?

The mission and objectives of the study program "Navigation, Hydrography and Naval Equipment" (NHNE) are in accordance with the national and European nomenclature of qualifications, with the legal provisions in force and are in accordance with the requirements of the labor market and those expressed by the beneficiaries.

WHAT DOES THE STUDY PROGRAM PROPOSE?

WHAT ARE THE OBJECTIVES?

Mission of the study program

Education and training of the Navy service officers to be appointed upon their graduation in the Navy Forces structures or to other beneficiaries' structures in the national defense, public order and national security system, at the 6th level of European Qualification Framework (Bachelor level), being capable to carry out the specific responsibilities and tasks on board the military ships or Navy units, in the specialty fields of navigation, deck equipment and procedures, communications, sensors, weaponry and combat facilities.

General objectives

1. Acquiring specific basic knowledge of military, managerial and civic culture required by the military Navy Officer's corps;
2. Developing the skills and abilities of using the weaponry systems and technical capabilities onboard the military ships or Navy units;
3. Building the graduates' fighting and leadership competencies, as military commanding staff, military trainers and ethical citizens, with a strong attachment to the nation, with respect for the cultural values and for the rule of law;
4. Developing communication skills and abilities within an international, multilanguage and multicultural teams;
5. Developing the capacity to use the specific electric, electronic and IT devices, equipment and facilities, in the military technical and technological context.

Specific objectives

1. Training skills for high proficiency and safe navigational watch on board the military ships;
2. Developing skills regarding the use of onboard technical equipment and facilities to maintain safe navigation;
3. Building knowledge and developing skills regarding the combat tactics, using the Navy weaponry systems, devices, equipment and fighting facilities on board the military ships;
4. Training skills regarding the enactment of relevant national and international legislation;
5. Training and development of leadership skills and competences within the military organizations.

WHAT COMPETENCES I WILL HAVE?

I WILL BE PREPARED ACCORDING TO THE NATIONAL AND INTERNATIONAL REQUIREMENTS IN THE FIELD?

Professional knowledge, skills and abilities

C1. Use of physics-mathematics calculus and models, computer-based and technical communication language;

C2. Application of basic technical concepts to solve issues or to manage situations and projects associated with the field of study;

C3. The operational level of navigation, hydrographic operations and ship maneuvering;

C4. Organization, management and operation of Navy weaponry equipment and onboard communication systems;

C5. Ship's operation and management, upon safe navigation watchkeeping, effective onboard procedures and efficient maintenance of the ship's proper seaworthiness;

C6. Communication with specialists from other fields related to the specific activity of the study program in area of marine engineering and navigation.

Essential skills and competences (ESCO):

Applying Navy-specific operating procedures, coordinating humanitarian aid missions, coordinating rescue missions, coordinating the ship's crew, devising military tactics, ensuring compliance with types of weapons, ensuring public safety and security, giving instructions to personnel, using surveillance equipment, identifying security threats, leading military troops, conducting military operations, training subordinate crew, uses different communication channels, adjusts product designs, advises superiors on military operations, defines technology strategy, designs technical components, examines technical principles, monitors the use of military equipment, monitors technology trends, ensures quality control, supervises the maintenance of military equipment;

Optional Skills and Competencies (ESCO):

Analysis of the ship's operations, assesses the danger in risk areas, coordinates patrols, ensures the security of the ship, gives combat commands, maintains operational communications, manages the deployment of troops, patrols, conducts search and rescue missions, provides humanitarian aid, use of geographic information systems.

WHAT I'M GOING TO STUDY?

Fundamentals courses

- Linear algebra, analytic and differential geometry
- Mathematical analysis
- Descriptive geometry
- Physics and Chemistry
- Technical drawing and infographics
- Computer Programming and Programming Languages / Applied Computer Science
- Marine training
- The Basics of Navigation
- Leadership
- English and Maritime English
- Physical Education and Military Physical Education
- History of the Romanian Army and Navy
- Special Mathematicians
- Numerical Method
- Mechanical
- Strength of materials
- Theory and construction of the ship
- Fluid mechanics
- Electronics & Electric Cars
- Basics of weapons systems
- Celestial navigation
- Materials Science and Engineering

Specialization courses

- Mechanisms and components of machines
- Dynamics and construction of the ship
- Navigation equipment and systems
- Naval hydrolocation
- Naval radiolocation
- Radio-electronic and naval communications equipment
- Naval kinematics
- Radar navigation and radio-electronic navigation
- Underwater combat weapon systems
- Naval Artillery Systems
- Military communication systems
- Naval machinery and installations
- Theory of Automated Systems
- Meteorology and Oceanography
- Hydrography and hydrographic insurance
- Elements of river navigation
- Ship handling
- Tactical maneuvering of the ship
- Navigation chart execution procedures
- Naval missile systems
- The use of naval weapons in combat
- The basics of military logistics
- Electronic warfare
- Cybersecurity
- Search and rescue at sea
- Integrated command and control systems
- Maritime law
- Ethics
- Ship safety and security

How do I sign up?

To enroll in the bachelor's degree program *in Navigation, Hydrography and Naval Equipment*, **candidates submit** the following documents online:

1. the standard registration application – *to be completed online*;
2. birth certificate;
3. identity card or passport;
4. marriage certificate (if applicable);
5. baccalaureate diploma or diploma equivalent to it or certificate of passing the baccalaureate exam;
6. transcript from high school;
7. receipt for the payment of the registration fee for the admission contest (to be paid by bank transfer) or documents proving the exemption from this fee.

CONTACTS



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