



Place and Role of Maritime Education and Training

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Trade, merchant shipping around the world plays a key role in sustainable development

Modern shipping is highly technological and requires serious knowledge, skills and experience from all categories of industry workers. As a result of constant technological progress, merchant ships, port infrastructure are improving and structurally becoming more complex, therefore every seafarer must undergo rather complex training and be ready to systematically work on improving their qualifications.





Kazakhstan Maritime Academy started at 2012 as a cooperation between KBTU and STC Group (Rotterdam, Netherlands) sponsored by TCO

The main objectives of the Academy were set:

- To establish a Maritime institution in Kazakhstan which will meet all the requirements of International Conventions
- To create a teaching team capable to work at an international level
- To create an educational and material base of the educational process in Kazakhstan


Objective of KMA

- To produce highly skilled, internationally accepted Kazakhstan officers and leaders in the transportation and logistics field in the Republic of Kazakhstan and abroad to meet the challenges of the present and future on behalf of Kazakhstan.

Recruiting and Graduation

- 2012 -2016 KMA took only a State Grants (every year 25 grants)
- 2017 – 25 State Grants + 5 Corporate Grants
- 2018 – 20 State Grants +5 Corporate Grants
- 2019 – 20 State Grants + 8 Corporate Grants + 1 Paid branch
- 2020 – 20 State Grants + 8 Corporate Grants + 3 Paid branch
- 2021 – 30 State Grants

KMA conducted five graduations, 97 young maritime officers started their careers
Every year KMA takes on board 4 – 6 female cadets to keep gender equality



KMA graduates will be able to perform a wide range of professional duties in such areas as:

- - Shipbuilding & ship construction
- - Charter / Carriage of goods / Trading
- - Maritime law
- - Offshore operations
- - Repair and maintenance of ships
- - Electrical power plants/ Mechanical Engineering

THE TRAINING PROCESS IN KMA CONSISTS OF THE FOLLOWING COMPONENTS

Training in Machine shop or Engineering shop («STC-Group» in Netherlands and Almaty)



«Eendracht» - sailing vessel of «STC - Group» for first going apprenticeship in International waters



Basic and Advanced Safety training courses ((«STC-Group» in Netherlands)



«STC-Group» - International Maritime School Partner (Netherlands)



Kazakh - British Technical University (Almaty)



Sea apprenticeship on board of Caspian shipping companies vessels at Caspian Sea



Sea apprenticeship on board of international and domestic shipping companies vessels in international waters



Technical training equipment and simulators (campus KBTU in Almaty)





- The cadets studying Marine Engineering Sciences, are trained with simulators of the engine room. This training reduces the number of accidents, improves efficiency and gives mechanics the necessary experience and confidence.

- Cadets, studying Nautical Sciences, are trained with equipment simulating the actual situation on the bridge of the vessel. An integrated monitoring system and the ability to simulate any vessel in any port of the world are key characteristics of such training.

INTERNATIONAL ACCREDITATIONS



In 2018 KMA passed accreditation of RMRS and MoTK of Oman



✓ In March, 2017 KMA / KBTU successfully passed international specialized accreditation on the specialty "Marine Technique and Technology" in the Non-governmental Non-profit Institution «Independent Kazakh Agency for Quality Assurance in Education (IQAA)

✓ Simulators are accredited by the international audit company DNV GL

SIMULATORS OF KMA AND STC-GROUP FROM THE LEADING MANUFACTURER KONGSBERG MARITIME



KMA's priority is to maintain high standards of education

In 2020 KMA started the "TEP" Master's degree program (currently 8 students on board)

In 2021 KMA is planning to open second Master's degree program "OE and SO"

Cooperation with the PRU as a leading maritime institution is a priority of KBTU

International cooperation in the maritime educational field is planned to be widening

KMA plans to take part in scientific research with focus on international scientific grants (Erasmus+ program)

Provision of high-quality training courses for the maritime industry

Informational promotion of maritime professions amongst the youth of Kazakhstan

KBTU

- Our University pays great attention to the constant improvement of the educational and material base of the KMA, advanced training of the teaching staff, and the provision of maritime practice for cadets. All this requires enormous resources, both human and financial. The rectorate of KBTU pays attention to all these issues, despite the difficulties of our current situation.





Today, the technical equipment of ships allows to reduce the effect of the human factor, and nevertheless, the human factor in shipping will become increasingly important not only for commercial reasons, but also as the industry moves towards ever higher standards of safety and environmental impact and sustainability



Today and tomorrow the role and importance of training and education of future sailors of Kazakhstan is great as never before, because never before our people had such a task. It is on us today that we have the duty to create the foundations of the future shipping of Kazakhstan.



- THANK YOU VERY MUCH FOR YOUR ATTENTION!