



TEMPUS PROJECT



Qualifications Frameworks for Environmental Science at Ukrainian Universities

ODESSA NATIONAL MARITIME ACADEMY

Warsaw, April 14 – 15, 2014



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Modernising higher education

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Odessa National Maritime Academy

Basic facts (1)



Founded in 1944

- More than 12.000 students

Fields of study / profiles

Navigation

Marine Engineering

Automation

Electrical Engineering

Radio- Communication

Law (Maritime)

Management (Maritime industry)



Odessa National Maritime Academy

Basic facts (2)



- 6 faculties in Odessa
- 4 branches
- 46 academic departments
- 49 Doctors of Science
- 255 PhDs

Degrees

Junior Specialist

Bachelor

Specialist

Master

Candidate of Science (PhD)

Doctor of Science

Odessa National Maritime Academy

Faculties



1. **Sea Navigation Faculty**
2. **Maritime and Inland Waterway Navigation Faculty**
3. **Marine Engineering Faculty**
4. **Electrical Engineering and Radio Electronics Faculty**
5. **Automation Faculty**
6. **Maritime Law and Management Faculty**

Odessa National Maritime Academy *Branches*



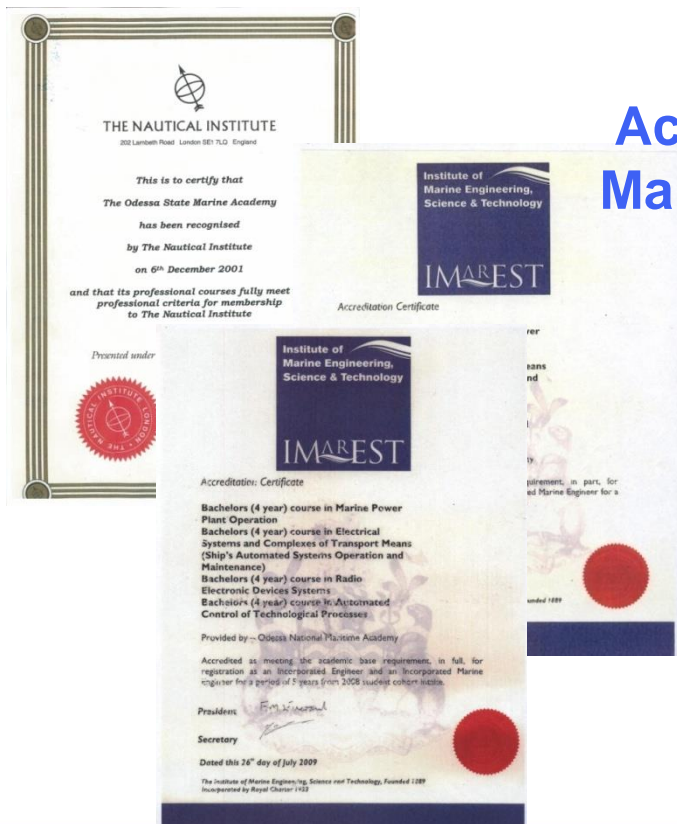
1. **Azov Maritime Institute** (located in Mariupol).
2. **Izmail faculty** (located in Izmail on the Danube river).
3. **Seafaring College of Technical Fleet** (located in Odessa).
4. **Maritime College named after O. Marinesko** (located in Odessa).

Accreditation & recognition

ONMA has IV (highest) National level of accreditation

Accreditation certificates of the Institute of Marine Engineering, Science & Technology (UK)

- Bachelor courses meet the requirements of Incorporated Engineer;
- Master courses meet the requirements of Chartered Engineer



Certificate of the Nautical Institute (UK)
Professional courses fully meet the professional criteria for membership to the Nautical Institute

Laboratories and Simulators (1)



Laboratories and Simulators (2)





European Commission
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Students' life



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Odessa National Maritime Academy *Partnership & membership*



IMO *Leading ONMA specialists represent Ukraine in International Maritime Organization*

ONMA is a member of International Association of Maritime Universities



ONMA is a Signatory of Magna Charta Universitatum

Ukrainian branches of the Institute of Marine Engineering, Science (UK) and the Nautical Institute (UK) are based at ONMA





Odessa National Maritime Academy

QANTUS Project



ONMA Experience

- International standards of competence development
- International model training courses development
- Sectoral educational standards development
- Implementation of international standards into study programmes
- Higher education reforms & Qualifications frameworks

Involved departments

- Methodological Department
- Life Safety Department
- Hydrography and Marine Geodesy Department
- International and Economic Cooperation Department

Odessa National Maritime Academy

Ecology & environmental study



Ecology and environmental protection are obligatory components of most of ONMA study programmes.

Specific study components are based on:

- International Convention for the Prevention of Pollution from Ships 73/78 as amended (MARPOL 73/78);
- International Convention for the Control and Management of Ships' Ballast Water and Sediments;
- International Convention on Standards of Training, Certification and Watchkeeping for Seafarers, 1978 as amended;
- ISO 14000 series of environmental management standards

Odessa National Maritime Academy

Ecology & environmental study

Focuses:

- Global Environmental Change
- Changes in Marine Biodiversity
- Meteorology / Hydrometeorology
- Hydrography
- Interaction of biological, physical and chemical components of the environment
- Effects of human activities on aquatic and terrestrial ecosystems
- Ecology and natural resource management
- Modern concepts and applications of ecology and marine environment
- Biogeochemical and Ecological Modeling
- Environmental protection



Odessa National Maritime Academy *QANTUS Project*



Key person

Dr. Professor Vadym Zakharchenko
Vice-Rector on scientific & pedagogical affairs

- Member of National Team of Higher Education Reform Experts (HERE Team);
- Member of working group of the Ministry of education and science on development of National Qualifications Framework (NQF);
- Member of working group of the Ministry of education and science on implementation of the NQF into higher education



European Commission
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Thank you for attention!



Vadym Zakharchenko

**Odessa National Maritime Academy
Vice-Rector**

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