

ABOUT THE UNIVERSITY:

- Area with a solid maritime tradition.
- Maritime education up to date and at the forefront of development.

20% OF THE GERMAN FLEET REGISTERED IN LEER



17% OF THE NORWEGIAN REGISTERED TONNAGE FROM HAUGESUND

- Specialized in questions of maritime Ecology and Sustainability.
- Specialization in Maritime Operations with Technology and Management Support.

Performance Standard

We aim to develop maritime education to a higher and more specialized level.

Competency Portfolio

Highly skilled personnel as a condition for growth and development.

CONTACT:

You are interested in this study programme?

Please visit our homepage:

www.hs-emden-leer.de/fachbereiche/seefahrt/

or visit us at the Faculty in Leer/Germany.

Have a look around and get the information you need in a one to one conversation.

Hochschule Emden Leer

University of Applied Sciences
Faculty of Maritime Studies
Bergmannstrasse 36
D-26789 Leer/Germany
www.hs-emden-leer.de/fachbereiche/seefahrt/



Dean:

Prof. Dr. Marcus Bentin
(Doctor of Engineering, Hiroshima Univ., Japan)
E-Mail: dekan.seefahrt@hs-emden-leer.de

Program Coordinator at the Faculty:

Mrs. Wenke Meyer
Office: A24
Tel: +49 491 928 17 5068
E-Mail: wenke.meyer@hs-emden-leer.de

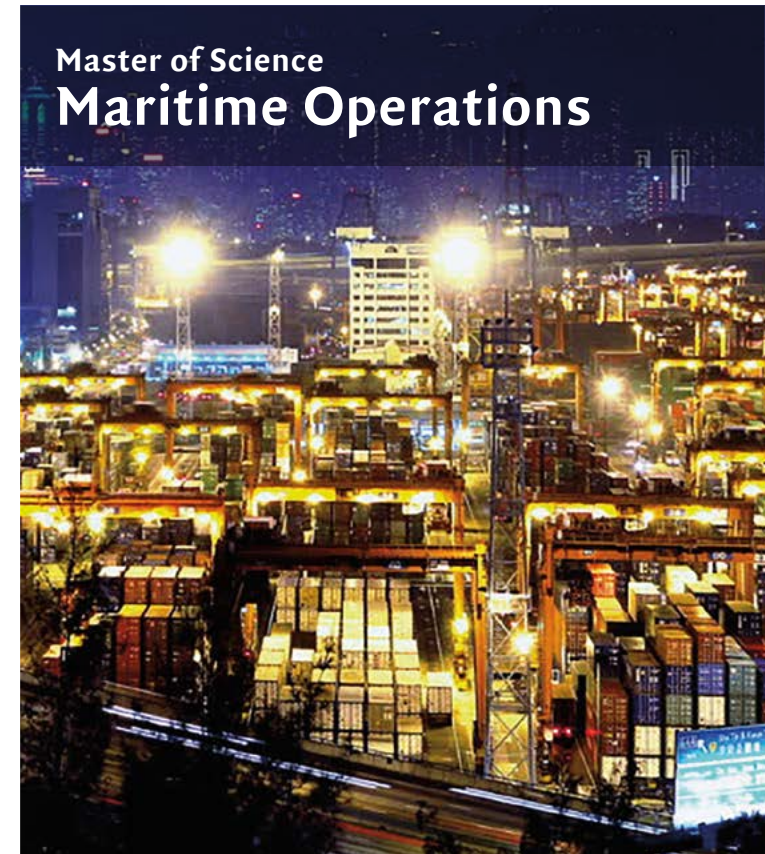
Central study consulting at campus Emden:

Ute Janssen, Ass. D. LA
Dipl.-Ing. Birgit Tischner
Tel: +49 4921 807 -1371, -1373, -1377
Fax: +49 4921 807 -1397
E-Mail: - ute.janssen@hs-emden-leer.de
- birgit.tischner@hs-emden-leer.de
www.hs-emden-leer.de/einrichtungen/zentrale-studienberatung.html



WESTERN NORWAY
UNIVERSITY OF APPLIED SCIENCES
EMDEN-LEER

Master of Science
Maritime Operations



Qualification

The maritime sector and associated branches of industry especially within the European Economic Area (EEA) have an increased need for post-graduate qualified employees with international orientation at the interface ship engineering/management and operations. Qualified candidates, combining technical, operational and managerial knowledge and who are exposed to an international environment are crucial. A joint master degree programme with an international partner university offers a particularly suitable approach to fulfil these requirements. The newly accredited PhD-programme in nautical operations will also recruit suitable candidates from the joint master in Maritime Operations. The degree programme is developed and operated as a joint master programme between the Western Norway University of Applied Sciences and the University of Applied Sciences Emden/Leer.

Central themes in the master programme are related to ship technology, maritime operations and maritime management, which provide the students with a solid foundation for both working in the maritime industry and further studies on a PhD level.

The graduates will be placed in a position to independently and responsibly solve technical, operational and managerial problems related to the maritime field using various methods and instruments conveyed during the course of the program. A student graduated from the Master of Maritime Operations has a broad competence related to technical, operational and managerial aspects of the maritime industry.

Besides specialized expertise within ship technology and maritime operations, the takeover of management duties often also requires leadership skills and management techniques as well as mental maturity, self-confidence, independence, decision-making abilities and the sense of responsibility. According to this the International Master in Maritime Operations also focuses on the acquisition of methodological and social competence as well as personal development. Intercultural competence of the graduates is promoted during some of the courses, but also during the at least one semester abroad within the joint programme.

BASAL STUDIES	1st SEMESTER HAUGESUND	10 ECTS	RESEARCH METHODS & PHILOSOPHY OF SCIENCE
		10 ECTS	MARITIME HTO (HUMAN TECHNOLOGY ORGANIZATION)
		10 ECTS	ADVANCED SHIP STABILITY
	2nd SEMESTER LEER	6 ECTS	SCIENTIFIC APPROACH OF COMPLEX PROBLEMS
		6 ECTS	BUSINESS ADMINISTRATION & MANAGEMENT
		6 ECTS	SHIP TECHNOLOGY
6 ECTS		QUALITY & RISK MANAGEMENT	
6 ECTS		TOOL OF OPERATIONAL RESEARCH & SIMULATION	
MAIN STUDIES	3rd SEMESTER LEER OR HAUGESUND	30 ECTS LEER	SUSTAINABLE MARITIME OPERATION
		30 ECTS HAUGESUND	OFFSHORE & SUBSEA OPERATIONS
	4th SEMESTER LEER OR HAUGESUND	30 ECTS	MASTER THESIS

Job Market Orientation

A solid basis in maritime technology together with the knowledge about nautical operation and management methods, as well as the combination of practical knowledge with a further qualifying master qualifies the graduate for a variety of professions, particularly in the maritime industry. Relevant examples are ship owning companies, classification societies, off-shore companies, supplier, consultancies and state authorities.

A holistic approach in regard to operations, economy, environment and development increase the attractiveness of the graduates in the eye of representatives of maritime as well as of mainly shore based industries and sectors. For this reason the student may choose between several specializations, offered by international partners. The specializations refer to the core business areas the respective partner countries are known for. For example:

- Offshore and Subsea Operation in Haugesund, Norway
- Sustainable Maritime Operations in Leer, Germany

The broad technological competencies qualify the graduate for various job functions within the maritime sector as well as in the off-shore industry.

Examples of Jobs and Tasks

- Consultancy work based on an understanding of operations, environment system analysis, economy and management of
- Project management in companies within the maritime sector. Innovation and development of new components, systems and
- Research and development tasks within the academic core competencies of the programme: environmental system analy-
- Optimisation of transport, operations and sustainability.