SEAS 4.0

Co-funded by the Erasmus+ Programme of the European Union

APPLICATION:
Opening: 1st December 2020
Deadline: 1st March 2021
COORDINATOR:
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CONTACT:
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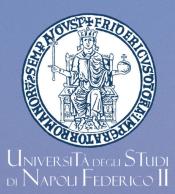
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SUSTAINABLE SHIP & SHIPPING 4.0

ERASMUS MUNDUS JOINT MASTER DEGREE

"Excellence in education for a new generation of Naval Architects and Marine Engineers"

University of Zagreb

Università degli Studi di Napoli Federico II

UNIVERSIDADE DA CORUÑA

www.master-seas40.unina.it

CINECA

DTU Denmark Technical University

MEMORIAL UNIVERSITY

TUHH Hamburg University of Technology

Universiteit Antwerpen

UFRJ faz 100 ANOS 1920 | 2020 Universidade Federal do Rio de Janeiro

UNIVERSITY of TASMANIA

WHY SEAS 4.0?

Educational excellence of Naval Architects and Marine Engineers (NAME) in an International and multidisciplinary context.

One year-and-half-long (90 ECTS), entirely taught in English.

Tailored for students who already have 240 ECTS in NAME or other technical degree.

Double master degree from UNINA and UDC .

Employment opportunities.

Industry experiences.

ADMISSION REQUIREMENTS

SEAS 4.0 is open to applicants who hold:

Bachelor/Master degree: 240 ECTS or equivalent in the field of Marine Engineering, Naval Architecture or related fields.

Proficiency in English (at least B2 CEFR Level).

COST & SCHOLARSHIPS

Programme country applicants: 4500 € / year.

Partner country applicants: 9000 € / year.

22 Erasmus Mundus scholarships (3 for programme and 19 for partner countries) covering tuition fees, participation and installation costs, contribution to travel and monthly allowance.

OVERVIEW

SEAS 4.0 is a 90 ECTS integrated, international, innovative, and methodologically diversified course to award a double Master Degree. It is taught in English and developed by the University of Napoli Federico II, University of A Coruna and University of Zagreb.

OBJECTIVES

SEAS 4.0 objectives are to train future engineers and increase their employment competitiveness in the multidisciplinary and global domain of ship design, construction, and management.

SEAS 4.0 program will couple environmental and legal competencies, knowledge of the economic framework of green and sustainable economy, digitalisation related to the newest needs in the fields of shipbuilding and maritime transport in student-centered education increasing students cultural competencies and life-long learning attitudes.
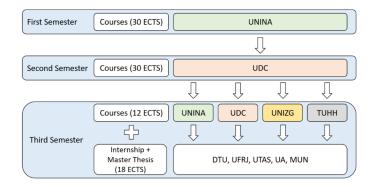
SEAS 4.0 comes as response to such requirements by implementing the concepts of Industry 4.0 in its curriculum, through dedicated courses.

PROGRAM DESCRIPTION

SEAS 4.0 program is based on a series of content blocks which represent the basic topics which are dealt with during the degree:

- Energy Efficiency and Sustainability (EES).
- Simulation and modelling (SIM).
- Information systems and data management (IDM).
- Robotics & Autonomous Systems (RAS).
- Polar routes challenges in structure and technology (PR).
- Ship operation, management and infologistics (SO).

MOBILITY SCHEME

INDUSTRIAL PARTNERS

www.master-seas40.unina.it

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SEAS 4.0—MOBILITY PATH

1st Semester

2nd Semester

3rd Semester (Courses)

3rd Semester (Master Thesis)

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