

EMSHIP European Education in Advanced Ship Design

Duration: 1 year 6 months (90 credits)

Course description:

The objective of the **EMSHIP** Erasmus Mundus Master is to provide a high education in Naval Architecture and Ship Design, through a 1.5 year - 90 Credits - Master Course accessible as Post Graduate studies, leading to a Double Master Degree *from ULG-Liege, Belgium and ECN-Nantes, France*) and a supplement diploma from Germany (Rostock), Italy (Genoa), Poland (Szczecin) or Romania (Galati).

EMSHIP corresponds directly to the needs of the European and Worldwide Marine Industry. The targeted students are:

- students having already a master degree in another engineering field that would like to get a specialisation in Ship Design.
- active engineering officers with 3-5 years seafaring work experience, that are looking for new knowledge to better fulfil their carrier objectives. There is indeed a large demand from ship-owners and port authorities to hire such officers, knowing what onboard service is, to manage and maintain their fleet.
- students looking for complementary education in the Sailing Pleasure Crafts and Mega/Motor Yachts, but also in Safer and Cleaner Marine and Fluvial Transportation Mode.
- engineers searching for advanced education in Hydrodynamics in Ship Design, Ship Production, CAD, Information Technology and Ship Structures.

EMSHIP will give the opportunity to students to demonstrate their talents and offer them the necessary skills to work in this challenging industry. The mobility scheme includes 3 semesters in 3 different countries and cultures:

Semester 1 : Liege, Belgium

University of Liege (ANAST – ULG) - **Ship Technology, Ship Structure, Ship Hydrodynamics and Ship Design**

Semester 2 : Nantes, France

Ecole Centrale de Nantes (ECN) - **Ship Hydrodynamic and Initiation to Research Activities**

Semester 3: Four available locations are available.

Education will include : Advanced lectures, Master Thesis and Internship

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| - Galati (UGAL, Romania) | Advanced Hydrodynamics in Ship Design |
| - Genoa (UNIGE, Italy) | Sailing Yacht and Pleasure Motor Yacht |
| - Rostock (URO, Germany) | Ship Production, CAD, Information Technology |
| - Szczecin (ZUT, Poland) | Advanced Ship Structures |

In addition to six of the most well-known universities in Europe, the EMSHIP consortium includes six associated partners from prestigious worldwide universities: University of Michigan (USA), University of Osaka (Japan), Federal University of Amazon (Brazil), VIMARU Maritime University (Vietnam), University of New South Wales (Australia) and University of Sciences and Technology of Oran (Algeria), that will have an advisory role and will assist in recruitment and assessment, with the support of an Industrial Advisory Board. Finally the European Association of Universities in Marine Technology (WEGEMT) assists the consortium in the management, web site and dissemination of information to potential students.

Websites: www.emship.eu
www.anast.ulg.ac.be/EMSHIP

Partners:

UNIVERSITY OF LIEGE (ULG) - ANAST, Belgium (Coordinating institution)
ECOLE CENTRALE OF NANTES (ECN), France
UNIVERSITY OF GALATI DUNAREA DE JOS (UGAL) , Romania
UNIVERSITY OF ROSTOCK (URO), Germany
UNIVERSITY OF GENOVA (UNIGE), Italy
WEST POMERANIAN UNIVERSITY OF TECHNOLOGY (ZUT), SZCZECIN, Poland

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