



SPECIALIZING MASTER IN

 **MYD**  
**YACHT DESIGN**

**XXIII EDITION — FEBRUARY 2024**

## COURSE

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The Master in Yacht Design of the Politecnico of Milan provides students with the tools needed to manage the design and construction process of both a sailing boat and a motorboat, from the design brief to defining the general plans, to the hydrostatic and hydrodynamic calculations to the interior fittings, of the roof and on-board equipment, to shipyard production and checking the final phases. On the one hand it collects and consolidates opportunities and resources developed by the University, with particular reference to skills in the fields of industrial design, fluid dynamics, mechanics, materials science, on the other hand it uses resources, experience and expertise acquired at a number of other Italian universities including: University “Federico II” of Naples, University of Catania and University of Chieti.

## TRAINING OBJECTIVES

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The Programme provides the tools to manage the design and construction of a sailing and motor boat, from the project brief to define the general plans, to the hydrostatic and hydrodynamic calculations, to the interior design, the deck and the on-board equipment, additional devices, to the production in the shipyard and check of the operation steps.

Participation in the Master Course offers the achievement of the following educational objectives:

- development of design skills: ability to work in terms of problem setting and problem solving within the yachting market;
- development of specialized technical skills;
- acquisition of the principles and procedures of construction methods and techniques;
- development of skills related to the production organization and shipyard management;
- development of the ability to work in groups and enter authoritatively in the professional world;
- ability to manage team conflicts and foster creativity processes.

## DIDACTIC MODULES

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The educational programme will be as follows:

- Yacht Design: principles, methods, tools and rules;
- History and culture of Yacht Design;
- Drawing and modeling;
- Naval architecture;
- Shipbuilding techniques;
- On-board equipment and propulsion systems;
- Interior Yacht Design;
- Production processes and business plan;
- Soft Skill for design;
- Design workshops;
- Internship.

**30**  
**students**

**1300**  
**hours**

**12**  
**months**

**€13.000**  
**cost**

## TITLE RELEASED

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At the end of the course, upon passing the final exam, the first level Specializing Master's degree of the Politecnico di Milano will be awarded in "Yacht Design"

## EMPLOYMENT OPPORTUNITIES

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The need of training in nautical sector is based on fast and exponential growth shown by this sector in last years.

This growth finds an additional attractive factor given by the new provisions that facilitate the development of this market (from simplification of procedures for construction of harbours, to tax reduction for pleasure boats above 10 metres, etc.).

For this reason, the sector currently shows a strong professional vocation, both on the side of skills necessary to design pleasure boats, as well as its components and accessories, and on the side of management of the different stages of production process.

In particular, this sector is going through a period of strong growth and development in quantitative and economic terms, which have not yet reached their highest level. This delay is also given by the current lack of figures able to manage and guide this change.

For this reason, candidates who attend the master's programme find job opportunities at nautical design studios or at shipyards and companies from the nautical sector. The possible areas of professional involvement are: technical office; engineering; project management; production control; quality check; equipment design; styling; customization; after sales.

## REQUIREMENTS

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The Specializing Master is for candidates with a Laurea (equivalent to Bachelor of Science) or Laurea Magistrale/Specialistica (equivalent to Master of Science) of New Educational System in Architecture, Industrial Design, Engineering or Economics. For foreign applicants, equivalent academic qualifications will be considered in the related study systems.

The selection is made by the Commission.

## DEADLINES

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To take part to the selection process, the application form must be completed online within the following deadlines:

- for Italian / foreign citizens with a qualification obtained in Italy **within December 5, 2023**,
- for Extra U.E. citizens **within November 7, 2023**.

## PRICE

—The Specializing Master costs €13.000, to be paid as below:

- € 500.00 – registration fee to Politecnico di Milano,
- € 12,500.00 – participation fee.

## FACULTY

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**Director**

Andrea Ratti


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**Vice Director**

Arianna Bionda

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## CONTACTS

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