Academic information [1]

Study programs

The main objective of the Barcelona School of Nautical Studies of Barcelona (FNB) is to educate highly skilled professionals in the maritime field, providing a solid technological and scientific training. The academic year 2010-2011 the Barcelona School of Maritime Studies began with the new degrees adapted to the European Higher Education Area. Now we offer the following degrees and masters:

Bachelor's degrees:

- Bachelor's degree in Marine Technologies
- Bachelor's degree in Nautical Sciences and Maritime Transport
- Bachelor's degree in Systems Engineering and Naval Technology

Master's degrees:

- Master's degree in Management and Operation of Marine Energy Facilities
- Master's degree in Nautical Sciences and Maritime Transport Management
- Master's degree in Naval Architecture and Ocean Engineering

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The **bachelor's degree in Marine Technologies** provides a solid grounding in the operation, maintenance and management of power plants and ship systems, and in the design, reengineering and construction of vessels. This degree is taught in Spanish.

This bachelor's degree includes a ***Major in Marine Electrotechnics*** , in which students develop the knowledge and skills required to work as an electro-technical officer. They learn about electrical systems, automatic control and computer networks, radio navigation equipment, radio communication systems and other specialized topics. This major is taught in Spanish.

http://www.upc.edu/learning/courses/Bachelors-degrees/marine-engineering-barcelona-fnb [2]

The **bachelor's degree in Nautical Sciences and Maritime Transport** provides students with the knowledge and skills needed for optimal management of navigation maneuvers, safety and pollution prevention, special cargoes, radio-electronic systems, and other specialized matters.

This bachelor's degree includes a ***Major in Maritime Business and Port Logistics*** , in which students learn how the agents involved in maritime business and port logistics operate, focusing on a range of subjects, including management, planning, legislation, economics, international maritime business and short sea ??shipping This major is taught entirely in English.

http://www.upc.edu/learning/courses/Bachelors-degrees/nautical-engineering-and-maritime-transport-barcelona-fnb [3]

The **bachelor's degree in Systems Engineering and Naval Technology** provides students with the knowledge and skills required to work as an expert on ship propulsion and

systems. This degree is taught in Spanish.

http://www.upc.edu/learning/courses/Bachelors-degrees/systems-engineering-and-naval-technology-barcelona-fnb [4]

The **master's degree in Management and Operation of Marine Energy Facilities** gives students the knowledge and skills to design, plan, operate, maintain and manage marine facilities, covering the main safety, environmental and economic considerations in marine engineering from an interdisciplinary perspective. The course qualifies graduates to practice the regulated profession of chief engineer in the merchant navy. This master's degree is taught in Spanish.

http://www.upc.edu/learning/courses/masters-degrees/marine-engineering [5]

The **master's degree in Nautical Sciences and Maritime Transport Management** provides high-level skills in the knowledge areas linked to nautical engineering and maritime transport: the structure and behavior of ships at sea, maritime transport logistics and environmental management. The course qualifies graduates to practice the regulated profession of merchant navy captain. This master's degree offers some courses in English.

http://www.upc.edu/learning/courses/masters-degrees/nautical-engineering-and-maritime-transport [6]

The **master's degree in Naval Architecture and Ocean Engineering**, introduced in the 2017-2018 academic year, qualifies you to practice the regulated profession of naval architecture and ocean engineer. It gives you the knowledge you need to design, build, maintain and assess ships and vessels of all kinds, as well as platforms and devices for the use of ocean resources. You will also be trained in the management and supervision of maritime businesses. You can take one of the following specializations: **Yacht and Pleasure Craft Design** or **Ocean Energies.**

https://www.upc.edu/en/masters/naval-architecture-and-ocean-engineering [7]

DETAILS OF THE COURSES IN ENGLISH - ACADEMIC YEAR 2026-27

- **Bachelor's degree in Marine Technologies and Naval Engineering**

http://www.upc.edu/learning/courses/Bachelors-degrees/marine-engineering-barcelona-fnb [2]

280606 Business Management and Organization (Q2 Spring semester) 6 ECTS [8]

280635 Informatics (Q1 Fall semester) 6 ECTS [9]

280638 Maritime Technical English (Q1 Fall semester) 6 ECTS [10]

280638 Maritime Technical English (Q2 Spring semester) 6 ECTS [10]

280649 Marine Pollution and Sustainability (Q5 Fall semester) 6 ECTS [11]

- **Bachelor's degree in Nautical Sciences and Maritime Transport**

http://www.upc.edu/learning/courses/Bachelors-degrees/nautical-engineering-and-maritime-transport-barcelona-fnb [3]

280603 Informatics (Q1 Fall semester) 6 ECTS [12]

280608 Maritime Technical English (Q1 Fall semester) 6 ECTS [13]

280608 Maritime Technical English (Q2 Spring semester) 6 ECTS [13]

280613 English for Maritime Navigation (Q3 Fall semester) 9 ECTS [14]

280679 Agents and documentation of supply chains (Q8 Spring semester) 6 ECTS [15]

280678 International Maritime Business (Q8 Spring semester) 6 ECTS [16]

280680 Maritime Legislations, Regulations and Economy (Q8 Spring semester) 6 ECTS [17]

280682 Short Sea Shipping (Q8 Spring semester) 6 ECTS [18]

This bachelor's degree includes a ***Major in Maritime Business and Port Logistics*** that is taught entirely in English.

- **Master's degree in Nautical Sciences and Maritime Transport Management (semi-presential, e-learning)**

http://www.upc.edu/learning/courses/masters-degrees/nautical-engineering-and-maritime-transport [6]

280707 Leadership and Management of Maritime Industries (Q1 Fall semester) 5 ECTS [19]

280714 Management and planning of safety on navigation (Q1 Fall semester) 5 ECTS [20] - (check requirements)

280715 Advanced Ship Manoeuvring (Q1 Fall semester) 5 ECTS [21] - (check requirements)

280716 Ship Dynamics (Q1 Fall semester) 5 ECTS [22]

280710 Propulsion and Auxiliary Systems (Q2 Spring semester) 5 ECTS [23]

280711 Technical Maritime Documentary English (Q2 Spring semester) 5 ECTS [24]

280712 Management of Port Terminals (Q2 Spring semester) 5 ECTS [25]

280713 Logistics and Management of Maritime and Intermodal Transport (Q2 Spring semester) 5 ECTS [26]

280709 IMDG and Stowage (Q2 Spring semester) 5 ECTS [27]

280708 Bridge Procedures (Q2 Spring semester) 5 ECTS [28]

- **Master's degree in Naval Architecture and Ocean Engineering**

280810 Design of Sailboats (Q4 Spring semester) 5 ECTS [29]

280812 Advanced Project of the Ship 5 ECTS (Q3 Fall semester) 5 ECTS [30] (Check requirements to the FNB Erasmus Coordinator)

280813 Design of offshore platforms and structures (Q3 Fall semester) 5 ECTS [31]

280823 Mooring Systems (Q3 Fall semester) 5 ECTS [32] (Check requirements to the FNB Erasmus Coordinator)

280821 Marine Foundations (Q2 Spring semester) 5 ECTS [33]

280827 Instrumentation and Modeling in Oceanic Engineering (Q4 Spring semester) 5 ECTS [34]

280828 Professional Communication in Naval Engineering (Q4 Spring semester) 5 ECTS [35]

280831 Simulation of the Ships Engine Room (Q4 Spring semester) 5 ECTS [36] (Not offered in the 2026/27 academic year)

Source URL:https://www.fnb.upc.edu/content/academic-information

Links
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