

Bachelor's degree in Environmental Engineering + Marine Sciences and Technologies (double degree)

BARCELONA SCHOOL OF CIVIL ENGINEERING (ETSECCPB)

BARCELONA SCHOOL OF AGRI-FOOD AND BIOSYSTEMS ENGINEERING (EEABB)

VILANOVA I LA GELTRÚ SCHOOL OF ENGINEERING (EPSEVG)

This double degree, access to which is through university pre-enrolment without an additional examination, offers interdisciplinary training that responds to the demand for highly skilled professionals in the fields of environmental engineering and marine sciences and technologies.

Students who takes these studies obtain two official bachelor's degrees in five academic years (378 ECTS credits): the bachelor's degree in Environmental Engineering, which is taught at the Barcelona School of Civil Engineering (ETSECCPB) and the Barcelona School of Agri-Food and Biosystems Engineering (EEABB), and the bachelor's degree in Marine Sciences and Technologies, which is taught at the ETSECCPB, the EEABB and the Vilanova i la Geltrú School of Engineering (EPSEVG).

Students obtain two official bachelor's degrees in five academic years (including the bachelor's thesis) and can choose any of the two majors of the bachelor's degree in Marine Sciences and Technologies.

GENERAL DETAILS

Duration

5 academic years

Study load

378 ECTS credits (including the bachelor's thesis). One credit is equivalent to a study load of 25-30 hours.

Delivery

Face-to-face

Admission mark 2026-2027 academic year

7,674

Language of instruction

Check the language of instruction for each subject (and timetable) in the course sheet in the curriculum.

Information on [language use in the classroom and students' language rights](#).

Fees and grants

Approximate fees per academic year: €1,061 (€1,800 for non-EU residents). [Consult the public fees system based on income \(grants and payment options\)](#).

Location

Barcelona School of Civil Engineering (ETSECCPB) (**coordinating** school)
Barcelona School of Agri-Food and Biosystems Engineering (EEABB)
Vilanova i la Geltrú School of Engineering (EPSEVG)

ADMISSION

New intake places

20

Pre-enrolment code

Admission mark 2026-2027 academic year

7,674. [Admission mark](#)

Weighting. University entrance examinations (PAU)

[Weighting. University entrance examinations \(PAU\)](#)

Registration and enrolment

[What are the requirements to enrol in a bachelor's degree course?](#)

CFGS credit transfer

[Consult the university studies search engine of the Universities Channel of the Generalitat de Catalunya](#)

Legalisation of foreign documents

All documents issued in non-EU countries must be [legalised and bear the corresponding apostille](#).

PROFESSIONAL OPPORTUNITIES

Professional opportunities

- Supervision and management of engineering projects in environmental and quality departments of companies; implementation of quality standards (ISO, EMAS); environmental audit projects.
- Design and development of emission minimisation and gas treatment projects; recovery of degraded spaces; soil treatment; design and operation of industrial and urban wastewater treatment plants and drinking water treatment plants; industrial and urban solid waste treatment plants in engineering offices.
- Environmental consulting and development of diagnostic studies and environmental management plans in companies; waste minimisation and recycling (IPPC directive); proposals for clean production technologies; environmental impact analysis studies.
- Technical advice for public administrations; natural area management plans; environmental regulations and auditing.
- Project supervision and management in the fields of oceanography, marine technologies and biotechnologies, conservation and management of marine resources, and the effects of climate change.
- Research and advice on the use of marine resources and in environmental, climate and impact projects on the marine and coastal environment.
- Management and technical supervision in industry, engineering firms, public administrations and the service sector.
- University teaching.
- Research.
- Freelance work.

The professional opportunities of this double degree are oriented towards the following areas:

- Quality control of groundwater, rivers and lakes, and the sea.
- Water supply in cities.
- Wastewater treatment.
- Soil and groundwater remediation.
- Air and noise pollution control measures.
- Environmental biotechnology.
- Solid waste management.
- Environmental impact of products and processes.
- Assessment of the impact of climate change.
- Restoration of degraded spaces.
- Implementation of renewable energies.
- Environmental and natural resource economics.
- Circular economy.
- Sustainable transport and mobility.
- Smart cities and sustainable construction.
- Green infrastructure.
- Environmental digitalisation, data analysis and remote sensing.
- Integrated management of coastal areas (marine and coastal resources).
- Maritime and coastal management in the public administration.
- Consulting on marine and coastal topics.
- Ports.
- Development of devices, sensors and infrastructure for measuring and monitoring the sea.

- Planning and optimisation of socioeconomic activities (and their impact) involving seas and coasts.
- Maritime service companies and their adaptation to environmental regulations.
- Environmental impact studies in marine environments, on marine pollution, the maintenance of seawater quality, and climate change and its effects on seas and coasts.
- Renewable marine energies.
- Aquaculture.
- Offshore oil and gas platforms.
- Fishing and extraction of other marine resources.
- Desalinisation of seawater to produce drinking water.

QUALITY ACCREDITATION

Check the degree's main quality indicators in the University Studies in Catalonia portal of the Catalan University Quality Assurance Agency. Find information on topics such as degree evaluation results, student satisfaction and graduate employment data.

[Further information](#)

ACADEMIC ORGANISATION

Academic calendar

[General academic calendar for bachelor's, master's and doctoral degrees](#)

Academic regulations

[Academic regulations for bachelor's degree courses at the Universitat Politècnica de Catalunya \(UPC\).](#)

Language certification and credit recognition

Queries about [language courses and certification](#)

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