



SORBONNE
UNIVERSITY
ABU DHABI



*Foundation
Year in*

**COASTAL AND
OCEANOGRAPHIC
APPLIED SCIENCES
AND TECHNOLOGIES
(COAST)**

2 0 2 6



Overview

The Bachelor in Coastal and Oceanographic Applied Sciences and Technologies (COAST) is a multidisciplinary programme taught in English at Sorbonne University Abu Dhabi. It focuses on coastal and marine systems, climate change, environmental sustainability, and the blue economy. The curriculum combines geography, oceanography and geomatics with strong practical training in GIS, remote sensing, cartography, statistics, and field analysis.

The Foundation Year in Coastal and Oceanographic Applied Sciences and Technologies (COAST) is designed to prepare students for success in the Bachelor in COAST through academic, scientific, and language preparation.

After the Foundation Year, students progress into the Bachelor in COAST, where they deepen their understanding of coastal and ocean systems and apply advanced tools to real environmental challenges.

- Coastal and marine ecosystems
- Climate change and hazard analysis
- GIS, remote sensing and spatial modelling
- Fieldwork, projects and laboratory practice
- Sustainable management of marine and coastal environments



Foundations in marine and environmental sciences

The programme is designed to help build foundations in physical and chemical oceanography, earth and environmental sciences. Students are introduced to the fundamental scientific principles underlying marine and coastal systems, providing a solid base for further study.

Introduction to field-based coastal and marine practices

Students are familiarised with field observation techniques, data collection methods, and the practical realities of studying coastal and marine environments. In addition, emphasis is placed on the practical application and the development of geoinformation and geomatics skills, enabling students to analyse, interpret, and present environmental data effectively.

Structured progression to the Bachelor in COAST

The Foundation Year ensures a structured and supportive transition into the Bachelor in COAST, equipping students with the academic, scientific, and practical skills required for continued success.





Programme *highlights*

- Structured pathway to the Bachelor in COAST
- Introduction to coastal and marine field practices
- Build foundations in physical and chemical oceanography, earth and environmental sciences
- Academic English proficiency for university-level study
- Applied use of GIS and geospatial technologies
- Development of geoinformation and geomatics skills
- Understanding of environmental systems and processes
- Advanced study skills and academic methodologies



Programme structure

Semester 1

Course name

Earth Dynamics

Fundamentals of Physical Oceanography

Fundamentals of Chemical Oceanography

Environmental Analysis

Language (French)

Semester 2

Course name

Fundamentals of Chemistry

Physical Oceanography

Geographical Perspectives for Environmental Issues

Coastal and Marine Field Expertise

Geoinformation and Geomatics

Language (French)



Career prospects

The Foundation Year in Coastal and Oceanographic Applied Sciences and Technologies (COAST) provides students with the opportunity to prepare for the Bachelor in COAST at Sorbonne University Abu Dhabi.

The sound knowledge acquired in languages, scientific fundamentals and academic methodology during the Foundation Year will ensure students are eligible to apply to the Bachelor in COAST, while equipping them with the skills needed to succeed at university level. Students will build a strong foundation in coastal and marine systems, environmental sciences, geoinformation and geomatics, preparing them to address real-world challenges related to coasts, oceans and sustainability.





Admission prospects

Admission to the Foundation Year in COAST is highly selective; the following are the minimum criteria required to apply for admission:

General application requirements

- Minimum average of 12 out of 20 for French General Baccalaureate or equivalent for the francophone curriculum.
- **UAE Ministry of Education curriculum:**
 - General stream: Minimum average of 80%
 - Advanced stream: Minimum average of 75%
- **British curriculum:** A minimum of five "O" levels combined with 1 "A" level and 1 "AS" or combined with 3 "AS" levels. A minimum grade of "C" is required in all subjects. Depending on the Bachelor, Mathematics is required in both "O" and "AS" levels.
- **International baccalaureate:** A minimum of 28 out of 42 points in six subjects, with a minimum score of 4 out of 7 in each subject. Three of those subjects must be higher-level courses (HL).
- **SABIS:** A minimum average of 70%.
- **American high-school diploma:** A minimum average of 80% or a minimum GPA of 2.8 out of 4.0
- **Other high school systems:** High school certificate equivalent to the UAE Ministry of Education high school, with a minimum average of 80% or equivalent.
- All students must have completed 12 years of school at the time of graduation.

English language proficiency:

- **Ministry of Education curriculum:** Minimum score of 80% in English subject in high school
- **For curricula studied in English Language:** No English requirement needed
- **For other curricula:** Valid academic IELTS certificate with minimum overall band of 5.5 with a validity of 2 years or TOEFL score of 530, IBT TOEFL certificate with minimum score of 71, CBT TOEFL of 197 with a validity of 2 years or equivalent.

Other education systems:

Conditions apply to other foreign curricula in accordance with the admission policy set by Sorbonne University Abu Dhabi. Contact Student Recruitment at: admissions@sorbonne.ae for more details.

Equal opportunity:

Sorbonne University Abu Dhabi welcomes applications from students of all nationalities and backgrounds, regardless of country of origin, income, gender, religion, or physical condition.

Tuition Fees

(Including admin. fees)

TBC

Up to 100% scholarship available for this programme!**

To learn more

Click:

<https://www.sorbonne.ae/fees-and-scholarships/scholarships/>

or Scan:



**Terms and Conditions apply

Why Sorbonne University Abu Dhabi?

In today's fast-paced and globalised world, education and communication play a pivotal role in shaping progressive and dynamic societies. The French education system is renowned for cultivating rigorous inquiry and, debate skills – essential qualities for developing future innovators and leaders.

Sorbonne University Abu Dhabi is a globally recognised institution that bridges civilisations, offering a multicultural environment that fosters tolerance, curiosity, harmony, and cultural awareness - vital qualities for success in the modern economy. Students benefit from internationally acclaimed faculty, state-of-the-art facilities, and globally recognised degrees, all of which equip them with the tools necessary for a successful and impactful career.

This degree is awarded by Sorbonne Université and accredited by the French Ministry of Higher Education, Research and Innovation. Furthermore, this programme is accredited by the Commission for Academic Accreditation (CAA).





SORBONNE
UNIVERSITY
ABU DHABI

For more information, please contact:

Tel : +971 (0) 2 656 9330/555

Email : admissions@sorbonne.ae

PO Box 38044, Abu Dhabi, United Arab Emirates

February 2026

sorbonne.ae