

3 WEEKS  
AT  
CIEL  
BRETAGNE  
BREST



BRETAGNE 

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# Science & technology OF THE SEA

Ciel Bretagne with Technopôle Brest Iroise, and Campus Mondial de la Mer offers a 3-week program for English-speaking students with beginner-level in French. This program includes visits conducted in English to companies and state-of-the-art laboratories, conferences on current and future engineering challenges and French language courses. The program also includes a wide selection of excursions and cultural visits centered on the theme of “Science and technology of the Sea”.

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## Ciel Bretagne

Un centre de formation



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Ciel Bretagne is affiliated with the Finistère Chamber of commerce and industry and has been teaching **French as a foreign language** for over 30 years. Each year, it welcomes between 400 and 600 students from all over the world.

International groups enable all participants to increase their knowledge of French, while excursions allow them to discover the natural and cultural heritage of beautiful Brittany.

**Research efforts in science, information and digital technology** are particularly intense in and around Brest, which, combined with Brittany's maritime heritage and focus, makes the theme of marine science and technology an obvious choice. The Brest area is **Europe's leading marine research** center in terms of the number of people, institutions, and companies involved in marine science and technology.



GET **6**  
**ECTS CREDITS**  
WITH THIS  
PROGRAM



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The concentration of activity makes Brest one of the world's leading marine research areas. Brest has invested massively in the development of marine resources, for example, through an investment of more than €200 million to attract and support companies active in the field of sea-based renewable energies.

The city's university campus is also focused on the sea, with the European Institute for Marine Studies, a maritime law track in the law school, and ocean-oriented schools of engineering.

Other important actors in the sector - such as Ifremer, the Ecole Navale, Shom, and Cedre - also operate in and around Brest.

It is in this context that Ciel Bretagne has developed a program that enables students to improve their French while exploring one of the **most beautiful regions of France** and advancing their knowledge of one of the most promising fields for the future of our planet.



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COURSE CONTENT

**30**  
**HOURS**  
**PER WEEK**

■ **French-language instruction and thematic activities cover 30 hours a week over 3 or 4 weeks:**

> 15 hours of instruction each week in French as a foreign language, enabling students to acquire or improve their oral and written

communication skills;

> A program of visits to companies and institutes specialized in the field of marine resources;  
> A program of cultural visits to discover the attractions of the Brittany region.

*Non-contractual program, subject to change. A minimum of 10 students is required.*

Duration

**3 WEEKS+**



Location

**BREST**

**PERIOD:** January, July, August

French ⊕ Sciences  
& University housing

**€2,385**

French ⊕ Sciences & Host family

**January**  
(2 weeks)

**€1,990**

**July**

**€2,950**

**August**

**€2,806**



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WEEK

1



### THURSDAY

> **Morning Meeting**  
workshop to get to know each other, your plans and expectations

> **Afternoon Visit to Brest:**  
The purpose of this tour is to discover the history of the city viewed through its maritime past.

Brest has always been marked by its geographical proximity to the sea, and it remains true nowadays. Students will be able to discover the multiple facets of the city through its ports, the Rade (a sheltered bay of 180km<sup>2</sup> that provides ideal conditions for water sports all year), its castle, and the famous Rue de Siam.



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### FRIDAY

> **Scientific seminar at Technopôle Brest**  
A presentation on the region's vibrant maritime culture provides a good view of scientific activity in and around Brest, where 60% of French research linked to the sea is conducted.

Brest is home to the highest concentrations of research and development in Europe in fields such as marine safety and security, as well as the development of sea-based renewable energy. Université de Bretagne Occidentale (ranked 5th in Shanghai ranking - oceanography field, in 2023), France Energy Marine, Campus Mondial de la mer and pole mer will be among the speakers.

### SATURDAY

> **The Rance Dam: Near the Mont-Saint-Michel, which stands in the middle of a vast bay surrounded by Europe's most extreme tides, the Rance Dam is located between Dinard and Saint Malo.**

This power plant draws its energy from the strong local tides and used to be the largest in the world, from its creation in 1966, until 2011.

### MONDAY

> **Morning French language study**

> **Afternoon Visit to Océanopolis.**

An aquarium with Europeans dimensions and a recreational centre focused on the oceans. With three pavilions – tropical, polar, and temperate (reflecting the Brittany region) – there is plenty to explore, such as the otter trail, which is especially impressive.

### TUESDAY

> **Morning French language study**

> **Afternoon Technature Laboratories:**

Founded in 1986 by Christine Bodeau, a biochemist fascinated with algae, TechNature Laboratories is today France's leader in the design of marine health care products for spas and thalassotherapy centres.

### WEDNESDAY

> **Morning French language study**

> **Afternoon 70.8, a museum for the ocean:**

The sea occupies 70.8% of our planet and represents a real

environmental and societal challenge for tomorrow. This museum draws on scientific expertise to address the following three major themes: a resource area for the future, a navigation territory, studying the ocean to better understand it.

### THURSDAY

> **Morning French language study**

> **Afternoon Visit of Ecole navale, the Naval academy school.**

This Higher education military school trains officers and opens its doors so that the students can witness the daily life of future officers and the programs in place. During the year, many partnerships with foreign naval and military academies and major maritime universities are signed.

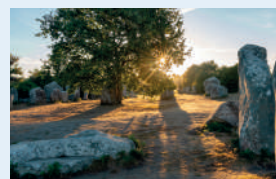
### FRIDAY

> **Morning French language study**

> **Afternoon Free time**

### SATURDAY

> **The Guerlédan hydroelectric dam, located in the heart of Brittany, is a century-old dam that is part of Brittany's industrial heritage.** This dam delivers electrical energy in a very short time, making it highly efficient at responding to consumption peaks on the network.



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## WEEK

## 2

## MONDAY

- > Morning **French language study**
- > Afternoon **Shellfish aquaculture:**  
Visit to the Breizhmer Applied Research Center which was created in 2022 in partnership with the Regional Committee for Shellfish Farming of Northern Brittany (CRCBN) to innovate, perpetuate and develop fishing and shellfish farming activities while respecting the sea, its resources and those who work there.



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## TUESDAY

- > Morning **French language study**
- > Afternoon **Cedre is a non-profit set up after the spill from the tanker Amoco Cadiz.**  
Its goal is to improve France's capacity to respond to pollution from accidents. Cedre is responsible for the documentation, research and experimentation on pollutants, their effects, and how to deal with them.



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## WEDNESDAY

- > Morning **French language study**

- > Afternoon **Haliotika the city of fishing:**  
This immersion aboard the reconstructed trawler 'Bara Breizh' is an open door to the daily life of fishing sailors.



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## FRIDAY

- > Morning **French language study**
- > Afternoon **Free**

## SATURDAY

- > At the Cité de la Voile, Eric Tabarly in Concarnau you will discover the world of sailing and ocean racing through an interactive tour (navigation simulators, radio-controlled sailboat basin, etc.).  
A visit to a submarine in the former Lorient base will also immerse you in the naval history of the Second World War.

## WEEK

## 3

## MONDAY

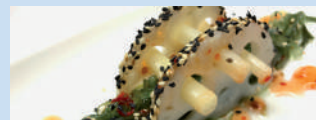
- > Morning **French language study**
- > Afternoon **boat tour in the harbour of Brest**, to let yourself be lulled by the waves and by the history of these coasts, the marine base, and the ship repair factories.



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## TUESDAY

- > Morning **French language study**
- > Afternoon **Scientific French Workshop to prepare the conference.**



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## WEDNESDAY

- > Morning **French language study**
- > Afternoon **Free**

## FRIDAY

- > Morning **French language study**
- > Afternoon **Conference**

## SATURDAY

- > Departure



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