



# EIGSI

Graduate School of Engineering  
**SUMMER SCHOOL**

**23 June - 3 July 2025**

*Ocean & Energy*

La Rochelle - FRANCE



*Challenge yourself in a new academic environment while enjoying one of the most popular summer destinations in France*

# Presentation



EIGSI Summer School is a great opportunity to learn more about the ocean and natural resources.

You will get the chance to combine high-quality, hands-on courses with outdoor activities while also experiencing the closeness of the ocean.

## Summer School Programme Coordinator

Rose Campbell, summer school coordinator, is a researcher in the field of marine sciences. Her research interests include numerical modeling, optimization, oceanography, and software development. She holds a PhD and Masters in Oceanography from Aix-Marseille University (France), and a BSc of Science/Mathematics from the University of Ottawa (Canada). She currently teaches at EIGSI Engineering School in La Rochelle, France.

A team of international lecturers will join us in La Rochelle for the Summer School.

## Who can apply ?

Students with at least two years post-secondary education in science or engineering.

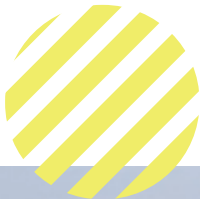
## 1 Registration

To submit your application for the EIGSI Summer School, write to: [mobility@eigsi.fr](mailto:mobility@eigsi.fr)

**October 2024 - 28th March 2025**

## 2 Acceptance by EIGSI

**April 11th 2025**



## 3 Tuition Fees

**Partner university students:** 700€

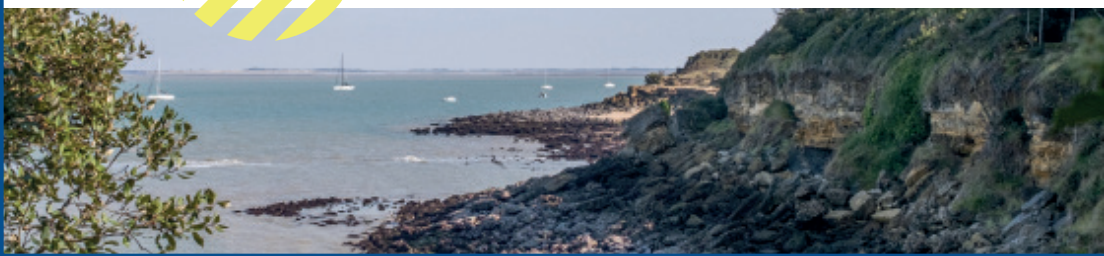
**Non-partner university students:** 2 200€

**Included in the fees :** classes, housing (EIGSI's residence, conveniently located 100m from the school), welcome dinner, social activities, visits.

**Not included :** travel to and from La Rochelle, meals.

## 4 Summer school

**23 June - 3th July**



# Course details

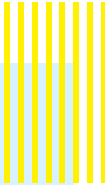
<b>MODULE 1</b>	<b>Ocean, Atmosphere &amp; Climate</b>	This course will give students a foundation to understand the sources of marine energies, including observations at the nearby beach.
<b>MODULE 2</b>	<b>Natural Resources &amp; the Blue Economy</b>	Students will review the interaction between humankind and the ocean, with a focus on the extraction of resources. Discussions on how climate-resilient solutions can be used to reduce human impacts.
<b>MODULE 3</b>	<b>Mapping the Potential for Marine Renewable Energy</b>	Students will collect open data about currents and/or winds and build a map of potential MRE. This lab-based course uses GIS software (QGIS).
<b>MODULE 4</b>	<b>Design Challenge</b>	Learners will be given a short brief and a set of materials to harness the potential of the wind. The final result will be built and put to the test at the nearby beach.

A variety of social and cultural activities will complement the academic programme.



EIGSI is an Engineering School, created in 1901 teaching students advanced mathematics, sciences and engineering as well as humanities, communication and foreign languages. EIGSI's close ties to industry and innovative research provide a cutting-edge engineering education.

EIGSI's exceptional setting offers students access to cultural and recreational activities in the nearby historical La Rochelle city centre, nearly 100 km of cycling paths and easy access to local beaches. During the summer, expect to enjoy the best of coastal Atlantic living: music and film festivals, sailing events, sunshine, and French cuisine.



### EIGSI La Rochelle

26 rue François de Foletier  
17000 La Rochelle  
France

[www.eigsi.fr](http://www.eigsi.fr)

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