

ENGINEERING SOLUTIONS FOR ENERGY TRANSITION

Summer Program 2025

DATES Monday May 12th 2025 - Friday May 30th 2025

ABOUT THE COURSE

This course, located on *Icam's Brittany campus* in the beautiful Morbihan Gulf on the west coast of France, focuses on *energy transition and technologies for a sustainable future*.

This program is designed to address today's complex challenges, including extreme weather events, energy transition, and sustainability.

It will encourage you to deepen your understanding and reflect on critical issues that are essential for future engineers and innovators.



PROJECT - THE ICEBOX CHALLENGE

You will design, implement, and experiment with a connected electronic heat transfer prediction system that utilizes material properties, including thermal insulation.

You will also demonstrate your teamwork, project management, creativity, and technical expertise through innovative teaching methods.

	HOURS	MODULE DESCRIPTION	ECTS CREDITS
MULTIDISCIPLINARY ENGINEERING TAUGHT MODULES	40 hrs	<ul style="list-style-type: none"> • HEAT TRANSFER • MATERIALS • COMPUTER SCIENCE & DIGITAL ELECTRONICS • MANUFACTURING SCIENCE 	3
PROJECT	40 hrs	<ul style="list-style-type: none"> • ICEBOX CHALLENGE (group project) 	3
FRENCH LANGUAGE & CULTURE	4 hrs	<ul style="list-style-type: none"> • A taste of French life through language learning, culture and interactions 	
TEAM BUILDING	6 hrs	<ul style="list-style-type: none"> • an innovative and challenging journey of personal growth, communication, and collaborative achievement. 	

In addition, there will be a visit to the historical town of Vannes, a company visit, and other outdoor activities. Various social events hosted by students and host families may also be included.

PRACTICAL MATTERS AT A GLANCE



ADMISSION CRITERIA

Open to current university students from around the world in engineering or other STEM* majors.
*Science, Technology, Engineering, Math

→ Personal motivation

- Interested in the current issues linked to energy transition and sustainability
- Motivated to work on a multidisciplinary engineering project in an international context
- Eager to discover French culture and language

→ Requirements

- Language of instruction: English
- A personal laptop (Mac or PC) is required.



PARTICIPATION FEE



2300€: Students from partner universities (and member universities of IAJES)

2500€: Students from non-partner universities

- Included: Welcome and farewell events, administration fees, accommodation, company visits, scheduled excursions with lunches, course and project materials, and official transcript/certificate of participation.
- Not included in the fees: airfare, most meals during the stay, personal expenses (activities during free time and weekends), passport/visa fees, home university fees and costs, mandatory health and repatriation insurance, and third-party liability insurance during your stay.



ACCOMMODATION

Organised by Icam - town centre Vannes

HOW TO APPLY ?

Application: Through your host university if exchange agreement with Icam.

For non partner universities, please send your application form directly (see details below).

Documents to submit:

- the application form including a brief personal statement.
- a resume/CV in English
- copy of most recent transcripts



CONTACT

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Icam Brittany

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Application deadline: February 28, 2025

Rolling admissions

Non-fundable deposit of 50% payable with reservation (refunds will be considered only under exceptional circumstances on a case by case basis)

Payment balance by April 12, 2025

