

3 WEEKS  
AT  
FRENCH IN  
NORMANDY  
ESIGELEC



# Focus on Energy and Decarbonisation: NEW CHALLENGES FOR SOCIETY

Normandy is a historic region, cradle of Impressionism, close to the ocean, famous for its gastronomy, having marvellous cities that boasts a superb architectural and cultural heritage. Yet it is also a region that is resolutely modern. As a major actor in industrial research, Normandy is recognised throughout Europe as a world-class player in the following sectors: pharmaceuticals, transports, digital applications and energy.



In collaboration with:



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As far as energy is concerned, Normandy is at the forefront of massive investments in decarbonized energy development, including solar, wind, and nuclear power. The region's commitment to sustainable energy is exemplified by the planned construction of two new EPR2 nuclear power plants, which will create significant opportunities for talent from France and abroad. These nuclear energy challenges in Normandy are being addressed

through the ambitious regional project called 3NC («Normandy Nuclear, New Competences»), which brings together academic institutions, industry partners, public institutions, and research centers. In this context of technical excellence, French in Normandy has partnered with ESIGELEC, the Regional Agency for Orientation and Professional Careers, and Campus France to offer a 3-week program. This innovative initiative combines French language



tuition with cultural immersion, exciting workshops on the latest technological developments presented by experts from scientific research, technology, and engineering fields, as well as industrial visits and practical activities.

To meet this collective and regional challenge, all 3NC partners (educational institutions, government bodies, and companies) seek to promote the richness and quality of higher education programs in decarbonized energy in Normandy, both nationally and internationally.

The school has a special research section in embedded systems (IRSEEM) and develops industrial applications using the latest and most innovative technologies for solutions adapted to the automobile, aeronautic and electro-telecommunications sectors.

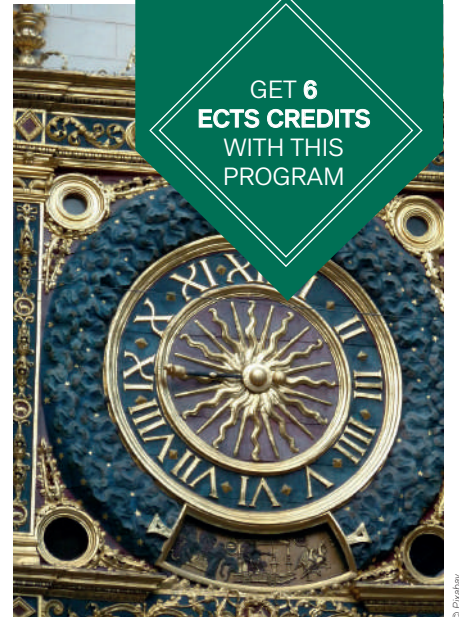
French in Normandy, an award winning French language school, recognized by the French Government Quality label and member of Groupement Fle, International House and IALC, welcomes over 1,500 students every year from more than 60 different countries for both long and short term language courses.



© French in Normandy



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GET 6  
ECTS CREDITS  
WITH THIS  
PROGRAM



#### COURSE CONTENT

40  
HOURS  
PER WEEK

- **French language:**  
15 hours per week
- > Acquisition or enhanced language; communication

- and intercultural skills;
- > Improve grammar and syntax;
- > Improve written and oral expression.

- **Science and technology:**  
15 hours per week
- > Hands on sessions in the lab;
- > Build your own smart robot;
- > Be part of a winning team in competition with

French students.

- **Interactive visits and thematic conferences:**  
10 hours per week
- > Visit innovative research labs;
- > Meet with experts from the industrial world;
- > Discover Normandy's world leading companies.

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



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Duration

**3 WEEKS**



Location

**ROUEN**

PERIOD: June

French ⊕ Sciences  
& Host family

**€2,600**

French ⊕ Sciences  
& Residence

**€2,900**

French ⊕ Sciences  
& Shared flat

**€2,400**

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WEEK

1

## MONDAY

- > Morning **French class**
- > Afternoon **Cultural tour and exploration of the city of Rouen.**



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## TUESDAY

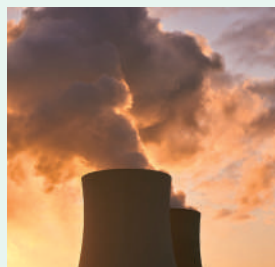
- > Morning **French class**
- > Afternoon **Conference about decarbonized energy policies in France.** This initiative is part of the France 2030 recovery plan aimed at strengthening the country's industrialization, particularly through the revitalization of the French decarbonized energy sector to address future challenges.

Official welcome by the City of Rouen, a historic port city on the Seine.

## WEDNESDAY

- > Morning **French class**
- > Afternoon **Visit and demonstrations in the laboratories of the ESIGELEC engineering school by research professors.** This school is committed to society and fulfills three foundational missions:

- Initial training through traditional or work-study programs, preparing engineers attuned to the global context.
- Research, both fundamental (creating knowledge) and applied (developing products and services).
- Contribution to the economic development of the region and its businesses.



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## THURSDAY

- > Morning **French class**
- > Afternoon **Visit to an operational nuclear power plant and a construction site.** These are PWR (Pressurized Water Reactor) plants, including one that has been operational for over 30 years and another representing the future of the sector with enhanced safety and performance. The construction site will host up to 10,000 workers.



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## FRIDAY

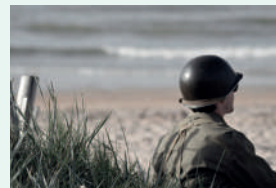
- > Morning **French class**
- > Afternoon **Thematic Conference:** Emerging uses and societal challenges. Followed by a meeting with Rouen student ambassadors.



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## SATURDAY

- > All day **Exploration of the region, featuring Mont Saint Michel, a world-renowned landmark.** Participants will experience its majesty through a bay crossing.

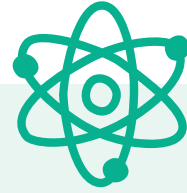


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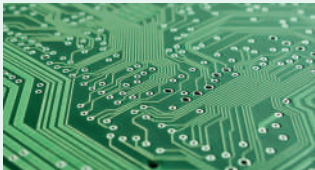
## WEEK

## 2



## MONDAY

- > Morning French class
- > Afternoon Visit to the CESI engineering school Rouen Campus. Engaging workshop: "Exploring Innovation in Industry", including a visit and simulations in the Smart Factor.

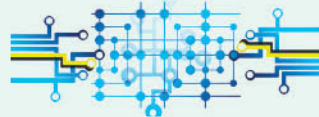


operational environment of a nuclear power plant.



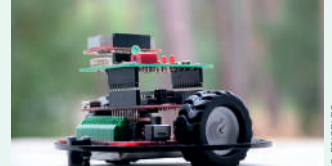
## Caen engineering school.

The visit will also include the LPC (Laboratory of Corpuscular Physics), offering practical insights and applications. This will be followed by a tour of the offshore wind turbine maintenance.



## socially desirable, not just technically feasible.

The visit will conclude with a tour of the GPM (Materials Physics Group) laboratory at the University of Rouen Normandy.



## WEDNESDAY

- > Morning French class
- > Afternoon Workshop on autonomous mobility conducted by ESIGELEC.

## THURSDAY

- > Morning French class
- > Afternoon Lunch featuring "Norman gastronomy", followed by visits to ENSI

## FRIDAY

- > Morning French class
- > Afternoon Visit to the INSA Rouen Normandie engineering school, where the focus is on fostering sustainable, fair, and long-term solutions for society, emphasizing the importance of assessing whether these solutions are

## SATURDAY

- > Full day Excursion to Paris to visit "La Cité des Sciences" (La Villette) followed by free time in the French capital.

## TUESDAY

- > Morning French class
- > Afternoon Visit to the Paluel Training Center : Hands-on session with a control room simulator and scale models to explore the



## WEEK

## 3



## MONDAY

- > Morning French class
- > Afternoon Rapid prototyping workshop with 3D printers and laser cutting at the LINEACT laboratory of the CESI engineering school Rouen Campus. The session also includes a visit to the Industry 4.0 platform and the AR/VR laboratory.



processing and recycling used nuclear fuel.

## WEDNESDAY

- > Morning French class
- > Afternoon Workshops on Excellence Pathways at the Regional Agency for Orientation and Careers in Normandy, which implements the region's career guidance and information policies.



- > Afternoon Discovery of Caen, known for its numerous religious buildings that earned it the nickname "City of a Hundred Spires," akin to Rouen.

This visit will conclude with a reception where certificates symbolizing participants engagement and discoveries during the program will be awarded. To wrap up, a seaside buffet dinner will be held on the beautiful Côte Fleurie.



## FRIDAY

- > Morning French class
- > Afternoon Free time

## TUESDAY

- > Morning French class
- > Afternoon Visit to the ORANO La Hague plant (Cotentin) – a facility for