FRENCH SCIENCES PROGRAMS

A RESEARCH-BASED APPROACH
French Sciences is designed for international English-speaking students in Sciences, who may be complete beginners in French: the scientific content is 100% taught in English.

This 3- to 4-week program:
> Creates a scientific dynamic;
> Brings together innovators, entrepreneurs, start-up, scientists, educators, and researchers;
> Gives an overview of French technological know-how in cutting edge sectors such as Sustainable Development, Green energy, Sea Sciences and Technologies, Microtechnology, Biomedical engineering.

French Sciences:
> Prepares for a longer study project;
> Develop new competencies for relations with scientists and engineers;
> Gives benchmarks for careers in scientific cutting-edge fields.

French Sciences:
> A research-based educational practice that encourages participants to experiment, share, discover, debate and support a reflection about Sciences and Technology;
> A unique opportunity to build up a strong network in these scientific fields.

A complete academic and logistical package:
> Airport pickup*; transportation to and from the language center;
> Housing (three options), tutoring and monitoring of progress;
> Medical insurance link provided by Campus France;
> Assessment and final report.

* 10 students minimum required
With its long and proud tradition of science and higher learning, Montpellier is internationally renowned for research in the fields of health, agronomy, and the environment. In 2019, the university strengthens its position as world leader in ecology in the Shanghai rankings. It is also the birthplace of modern medicine.

Today, Montpellier is France’s leader in research on new agricultural models and environmental management, among other areas. The cities universities and research facilities offer numerous grants and scholarships to international students at the master’s, doctoral, and postdoctoral levels. By bringing together in a single program innovators, entrepreneurs, scientists, educators, and researchers, Accent Français and Campus France are leveraging this scientific dynamic to give international students—France’s future informal ambassadors—an appreciation of French technological know-how.

This three weeks program on environmental themes enables participants to:

> Engage in group discussions of problems and issues confronting scientists and engineers;
> Reflect individually on potential careers in cutting-edge companies and on the education and training programs most likely to jump start those careers.

An important part of the program consists of site visits innovative enterprises active within a scientific and economic community that shares dreams, aspirations, and motivations:

> To meet the important challenges of the 21st century in ways consistent with the objectives of sustainable development and the Paris agreement on climate change;
> To promote innovative agricultural methods and practices that deploy research, education, and training to ensure food security and environmental quality for a global population projected to number 9 billion people by 2050, to manage our natural resources in a sustainable way, to cure chronic and emerging diseases, and to make the transition to societies that are respectful of the environment.

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

### COURSE CONTENT

- **French as a foreign language:** 15 hours per week
  - Acquisition and reinforcement of linguistic, communicational, and intercultural foundations;
  - Acquisition and reinforcement of grammar and syntax;
  - Practice in written and oral communication.

- **Science and technology module:** 15 hours per week
  - A Campus France exclusive + thematic visits.

- **Thematic conferences**
  Students deepen their knowledge through presentations by experts from the corporate world (including heads of small and medium-sized firms).

### PERIOD:

<table>
<thead>
<tr>
<th>Duration</th>
<th>Location</th>
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<tr>
<td>3 WEEKS</td>
<td>MONTPELLIER</td>
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### DATES:

- January, June, October

### COURSE COSTS:

<table>
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<tr>
<td>€2,000</td>
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3 WEEKS AT ACCENT FRANÇAIS MONTPELLIER

WEEK 1

MONDAY
> Morning French course
> Afternoon Montpellier tour

Montpellier is voted #1 city in France for its quality of life with 300 days of sunshine per year! This is the place to be to discover historical treasures of the Occitanie.

TUESDAY
> Morning French course
> Afternoon Visit

Generation of electricity from renewable sources: visit to a wind farm (Port-la-Nouvelle, Aude) or hydroelectric plant (near Vigan, Gard).

WEDNESDAY
> Morning French course
> Afternoon Drafting of the weekly logbook of the student, followed by a progress report with a teacher-tutor of the school.

THURSDAY
> Afternoon Visit

Visit to Villeneuve saltmarsh. www.caer.org/gera/salles/saltmash

FRIDAY
> All day Excursion to Arles et Saintes Maries de la Mer

Discovery of this beautiful city listed as UNESCO World Heritage! You will appreciate the old streets and architectures of this city of Ancient Rome. Discover the village of Saintes Maries de la Mer and its legendary church, built between sky and sea and the territory of the Camargue.

SATURDAY
> Home-coming

WEEK 2

MONDAY
> Morning French course
> Afternoon Visit

Climate change and ecosystems: visit to ECOTRON experimental facility for the study of the effect of climate change on ecosystems with Jacques Roy, a CNRS researcher director.

TUESDAY
> Morning French course
> Afternoon Conference: How do I actually affect the environment?

Presenter: Carole Sinfort, research professor at Montpellier SupAgro and a specialist in pesticides and life-cycle analysis.

Content: Methods of environmental evaluation, the principle behind the ACV method; examples, discussion.

WEDNESDAY
> Morning French course
> Afternoon Visit

Climate change and ecosystems: visit to ECOTRON experimental facility for the study of the effect of climate change on ecosystems with Jacques Roy, a CNRS research director.

THURSDAY
> Afternoon Conference: At the crossroads of nature and advanced technology

Presenter: Emmanuel Petiot, managing director, DEINOVE, Grabels.

Content: Recombining biology and technology in health (new antibiotics) and food (replacing petrosoresourced with biosourced substances, natural colorants, nutritional supplements, etc.)

FRIDAY
> Morning French course
> Afternoon Visit

Visit to the MAERA purification plant in Lattes or the AMETYST methanation site in Baillargues.

SATURDAY
> Home-coming

WEEK 3

MONDAY
> Morning French course
> Afternoon Conference and workshop: Renewable energy

Presenter: Guillaume Marconac, founder, Enercoop. Mr Marconac is a specialized engineer and director of production for Enercoop, a provider of electricity generated entirely from renewable sources.

Content: Theoretical and scientific basics of energy uses of energy: French electricity networks, markets, and providers; other energy networks; energy transition forecasts and scenarios.

TUESDAY
> Morning French course
> Afternoon Visit

Visit to a wind farm (Port-la-Nouvelle, Aude) or hydroelectric plant (near Vigan, Gard).

WEDNESDAY
> Morning French course
> Afternoon Visit

Visit to a pesticide research center in Agropolis with Carole Sinfort, research professor at Montpellier SupAgro and a specialist in pesticides and life-cycle analysis.

THURSDAY
> Afternoon Visit

Visit to Biotope, where the students, guided by their teacher-tutor, report with a teacher-tutor of the school.

FRIDAY
> Morning French course
> Afternoon Visit

Visit to the MAERA purification plant in Lattes or the AMETYST methanation site in Baillargues.

SATURDAY
> Home-coming
Ciel Bretagne, in association with Campus France, Technopôle Brest Iroise, and Campus Mondial de la Mer, offers English-speaking students with beginner-level French a 3-week program of visits to companies and state-of-the-art laboratories (conducted in English), conferences on current and future challenges facing the engineering professions, and courses in French as a foreign language. The program also includes a wide selection of excursions and cultural visits centered on the theme of “Science and technology of the sea”.

Ciel Bretagne is affiliated with the Bretagne Ouest chamber of commerce and industry and has been teaching French as a foreign language for 30 years. Each year it welcomes between 700 and 1,000 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. 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.

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.

COURSE CONTENT
GET 6 ECTS CREDITS WITH THIS PROGRAM

Duration
3 WEEKS

Location
BREST

PERIOD: January and July

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<td>French Sciences &amp; Private apartment</td>
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**WEEK 1**

**MONDAY**
- Morning French language study
- Afternoon Visit to Brest: the history of the city viewed through its maritime past

**TUESDAY**
- Morning French language study
- Afternoon Visit to Technopôle Brest

**WEDNESDAY**
- Morning French language study

**THURSDAY**
- Morning French language study
- Afternoon Visit to the Université de Bretagne Occidentale

**FRIDAY**
- Morning French language study

**SATURDAY**
- Morning free

**SUNDAY**
- Departure

**WEEK 2**

**MONDAY**
- Morning French language study
- Afternoon Shellfish aquaculture: visit to the hatchery of Tinduff

**TUESDAY**
- Morning French language study
- Afternoon The Roscoff laboratory

**WEDNESDAY**
- Morning French language study
- Afternoon Visit to an engineering school

**THURSDAY**
- Morning French language study

**FRIDAY**
- Morning free

**SATURDAY**
- Morning free

**SUNDAY**
- Departure

**WEEK 3**

**MONDAY**
- Morning French language study
- Afternoon Workshop/role play on the interaction between nature and human societies in coastal zones

**TUESDAY**
- Morning French language study
- Afternoon Visit to an engineering school

**WEDNESDAY**
- Morning French language study
- Afternoon Meeting with a chef: the art of algae in Breton cooking

**THURSDAY**
- Morning French language study

**FRIDAY**
- Morning French language study

**SATURDAY**
- Morning free

**SUNDAY**
- Departure
The Center for Applied Linguistics (CLA, Centre de linguistique appliquée) at the Université de Franche-Comté, in association with Campus France, offers a program of language, cultural, and scientific immersion on the topic of microtechnology and biomedical engineering in partnership with ISIFC, a school of biomedical engineering; the university’s faculties of medical and pharmaceutical sciences and of natural and technical sciences; U-SPORTS; and the Innov’Health and PMT microtechnology clusters.

Designed for English-speaking students, the program includes guided tours of state-of-the-art companies and laboratories, lectures in English on current and upcoming issues in the engineering professions, classes in French as a foreign language (FLE), and a wide range of excursions and discovery activities.

CLA – Center for Applied Linguistics, internationally recognized

CLA, founded in 1958, was one of the first university language centers to develop a program of practical foreign language training based on linguistics research applied to education and on active learning methods: language labs, a focus on communication skills, self-teaching, and learning through immersion. About 4,000 students come to CLA each year from all over the world.

CLA is a member of CampusFLE, a group of university-based French-language centers devoted to promoting French as a language of study in academic training programs.

Affiliated with the microtechnology competitiveness cluster, Greater Besançon is an industrial ecosystem based on the region’s historical strengths in the field of microtechnology – a large part of them in the health sciences. For a decade, some 300 local companies have been active in the field, most of them enjoying international recognition and support from well-known training and research centers such as EFS (the French blood organization), ISIFC, Femto-ST, LERMPS, Utinam, and the Centre d’Investigations Cliniques.

In 2016, Greater Besançon and the microtechnology competitiveness cluster joined the Health Tech France network (a component of the prestigious French Tech organization) demonstrating the innovative and creative capacity of region’s start-ups in the field of the medicine of the future.

Non-contractual program, subject to change. A minimum of 10 students is required.
Medical professionals. Meet with research faculty, students, and instructors to review and assess progress.

Monday
- Morning: French language study
- Afternoon: Tour of Besançon, a city of art and history with a proud heritage, a green city with an exceptional natural environment, a student-friendly city where one in five inhabitants is a student, and a business-friendly city ranked 1st in its category.

Tuesday
- Morning: French language study
- Afternoon: Visit to the Université de Franche-Comté (Université Bourgogne-Franche-Comté, founded in 2011)

Wednesday
- Morning: French language study
- Afternoon: Presentation on the Innov’Health competitiveness cluster led by industry representatives. The cluster’s activities encompass research, development and high tech processes related to the medicine of the future: Medical devices and implants; innovative therapies and personalized medicine; e-health and the Internet of Things; the European Silver Economy; well-being and nutrition.

Thursday
- Morning: French language study
- Afternoon: Visit to the EPSI platform (a research and innovation competitiveness cluster and of the Innov’Health cluster).

Friday
- Morning: French language study
- Afternoon: Interactive presentation: Athletic performance and scientific measurement. The presentation will outline how sports psychology, exercise physiology, and the biomechanical analysis of movement come together to break athletic records.

Saturday
- Final meeting with CLA instructors, will reflect on the development and search methods and practices.

Sunday
- Excursion to the European capital, Strasbourg, European capital, headquarters of the European Parliament, guided tour of the city center (a UNESCO World Heritage site)

Monday
- Morning: French language study
- Afternoon: Visit to the INO, a research lab.

Tuesday
- Morning: French language study
- Afternoon: From basic research to industrial partnership: visit to FEMTO-ST, France’s largest engineering research lab, FEMTO-ST unites engineering and informatics and communication sciences and technologies. Its research activities often have a socioeconomic impact in sectors such as energy and transportation, health, telecommunications, space sciences, instrumentation and metrology, watchmaking, and luxury goods.

Wednesday
- Morning: French language study
- Afternoon: Presentation on Biotika, a company specializing in biomechanics and microsystems, bioengineering, and e-health.

Thursday
- Morning: French language study
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Saturday
- Departure