ENSCR
INTERNATIONAL STUDENTS ADMISSION

The catalyst for your success!

F Formation
RV Recherche & Valorisation
I International
Ri Relations industrielles
Rc Ressources communes
E+ Élèves ingénieurs

Ecole Nationale Supérieure de Chimie de Rennes

F Formation

I International

0 AN

The Preparatory term (SPI)

Who is this for?

Foreign students with very little knowledge of French who have obtained a diploma or passed an exam in their home country, giving access to higher scientific studies.

Purpose

To make it easier for foreign school-leavers to access the first cycle of studies leading to a graduate engineer course in chemistry at one of the colleges in the Gay-Lussac Federation (FGL).

→ www.19ecolesdechimie.com/?lang=en

Programme

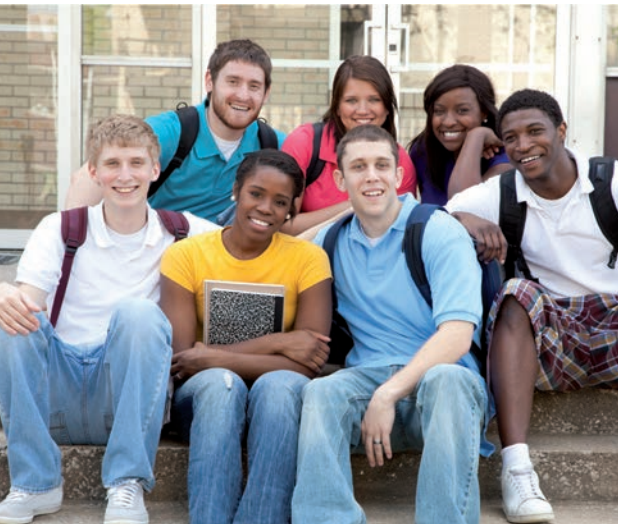
The SPI runs from mid-February to mid-June and consists of:

- Intensive teaching of French as a foreign language (16 hrs a week);
- English lessons;
- Scientific courses in maths, physics and chemistry with tutorials and practical work.

After the SPI?

According to their results, students go on to the 1st international Chem.I.St cycle of the FGL at a college in Clermont-Ferrand, Lille, Rennes, Pau or Strasbourg.

→ www.ensc-rennes.fr
[Training – Preparatory term]



2 ANS

The international preparatory cycle Chem.I.St (Chemistry International Studies)

Context

The Chem.I.St preparatory class is a two-year course for students from France and all around the world, working on equal terms. It aims to encourage a cross-cultural dialogue as part of a very high-level scientific course.

Admission

Any foreign students who have passed a school-leaving exam in their country of origin equivalent to the science baccalaureate can apply for the Chem.I.St course. Application forms are available on the APB website, www.admission-postbac.fr between **20 January and 20 March**. Selection is on the basis of written applications.

Programme

A multidisciplinary course with an international dimension, taught in French (two-thirds science classes, one-third non-science):

- Chemistry-Physics: theoretical and experimental approach: teaching balanced between lectures, tutorials and practical work for in-depth and applied learning.
- Mathematics-Computing: Acquisition of basic methods, put into practice in cross-disciplinary projects.
- Two foreign languages compulsory: French and English
- Knowledge of the modern world (international geopolitics)

Perspectives

After the two years of the course, students will continue their studies in an engineering course at one of the 20 chemistry or chemical engineering colleges in the Gay-Lussac Federation.

ANH MINH NGUYEN (a Vietnamese student/ Chem.I.St 2)

« Having obtained my high school diploma in Vietnam in 2010, I chose the Chem.I.St program in Rennes, which is a unique opportunity for international students who want to become Engineer in chemistry. The program offers a solid scientific foundation and is open to a variety of languages and cultures. »

FELIX SCHROEN (a German student/engineering course)

"I was fortunate to get onto the joint degree programme between Dresden Technical University and the ENSCR as part of the Franco-German university. This programme offers chemistry students the chance to discover a different educational system, another language and to acquire new methods of working in a distinctly international environment. This is a life-experience that I thoroughly recommend!"

→ www.ensc-rennes.fr
[International/the international dimension in the 1st cycle]

neering course | Doctoral program

5 ANS | 8 ANS

The engineering course

Different routes for admission

Foreign students can apply to join the ENSCR in the 1st, 2nd or 3rd year under an exchange programme between their university of origin and the ENSCR. The period of study is between one and four terms. (Application: “Exchange visit request”).

Alternatively, they can send in a “free” application for the 1st or 2nd year at the ENSCR. After two or three years’ study they will have earned the ENSCR graduate engineering degree. (Application «Foreign student application form»).
Applications to be sent in before 30 May.

→ www.ensc-rennes.fr
[International/ the international dimension in the engineering course]

A core curriculum and 2 Majors

Teaching is **given in French and pre-Intermediary French is required**. In the 1st year, students all follow a core curriculum in chemistry and chemical engineering. Beginning in term 8, the student must choose a course from one of the following two Majors:

- **CTV (Chemistry and Technologies for the Living world)**

The aim is to train engineers capable of designing, producing, formulating and analysing chemicals and innovative materials in the spirit of sustainable development.
> Main fields of study: organic chemistry, biological chemistry, biochemistry, biotechnology, solids and materials chemistry, methods of analysis, formulation and process engineering, green chemistry, interfaces with digital tools.

- **EPA (Environment, Processes and Analysis)**

Engineers acquire skills in the area of designing and sizing processes, air, water and waste processing, mastery of the methods of analysis, and environmental management
> Main fields of study: process engineering, environmental analysis and management, green chemistry, interfaces with digital tools.

→ www.ensc-rennes.fr
[Trainings/engineering course/Major EPA, Major CTV]

Visits by professionals

In the Majors, 25% of speakers are from business (Sanofi, Rhodia, Veolia, Suez Environnement, Eko-Consulting, SGS, Ipsen…) and major research bodies (CNRS, Pasteur, CEA, Irstea…)

Placements

- In the 1st year: placement of 8 weeks beginning in June
- In the 2nd year: placement of 13 weeks beginning in May
- In the 3rd year: placement of 16 weeks beginning in February-March

F Formation I International

BRETAGNE

RESEARCH AND MASTERS DEGREES

In its **five research laboratories**, the ENSCR is developing a reasoned new approach to chemistry to design chemicals and procedures with increased effectiveness and low impact on the environment. The different topics of research are Health, Catalysis, the Environment and Materials.

→ www.ensc-rennes.fr
[research /themes]

In their 3rd year, students have the option of training in research by following one of the three Masters courses offered at the college:

- Master in Molecular Chemistry;
- the QuaTrO Master in Water Quality and Treatment;
- Master in the Chemistry of Solids and Materials.

→ www.ensc-rennes.fr
[Trainings/Masters Degrees]

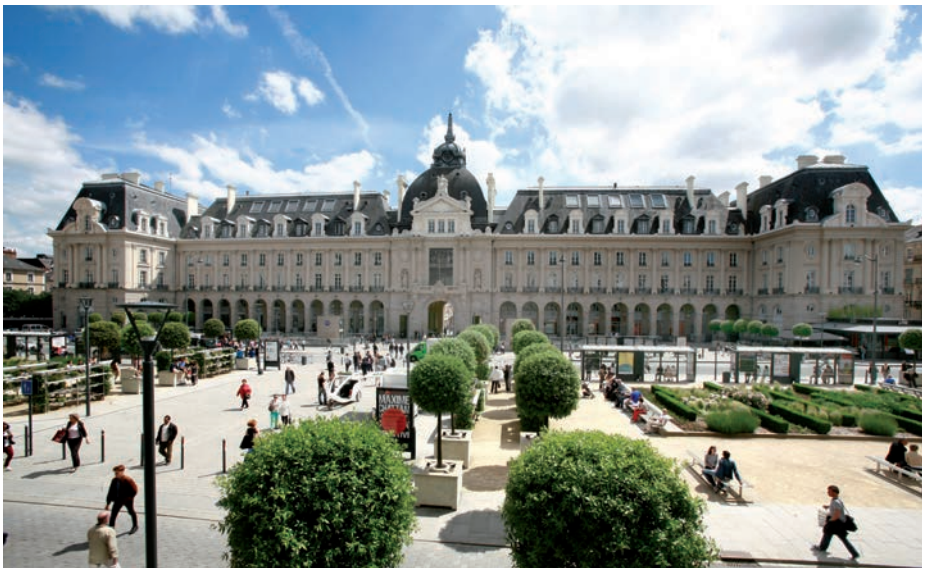
RENNES, A CITY THAT'S GOOD TO STUDY IN

Rennes, with 60,000 students, is the eighth-largest university town in France. It boasts four major campuses. The ENSCR is on the Beaulieu campus alongside top-ranking higher education establishments, the university and many businesses.

Just an hour and a half from Paris by high-speed rail, Rennes enjoys excellent transport facilities (bus, underground railway and self-service bikes). Rennes is only 45 min from the sea with the magnificent sandy beaches of St Malo and the Mont St Michel.

This young and dynamic city has many sports and cultural facilities such as the English library of the franco-American institute, the National Theatre of Brittany, the Science Centre, etc.

→ http://.metropole.rennes.fr



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www.ensc-rennes.fr

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