Fédération
Gay-Lussac
20 écoles de chimie

CHEMISTRY INTERNATIONAL STUDIES
CHEM.I.ST*

Become
A CHEMICAL ENGINEER

www.20ecolesdechimie.com

LEARNING **in a multicultural environment**

The Federation Gay-Lussac brings together 20 French chemistry and chemical engineering schools. For foreign students, this is an original and efficient way to enter the chemical engineering profession and obtain a Master's degree. The international CHEM.I.ST program is:

- **a 2-year common-core programme,** open to all international students having done a scientific baccalaureate (high school leaving certificate) or equivalent, which is offered in 5 cities in France
- **followed by a 3-year engineering programme** in one of the 20 French chemistry and chemical engineering schools in the Fédération Gay-Lussac, offering a wide range of options and specialties.

AN EXCELLENT SPRINGBOARD **for your engineering career**

By integrating THE CHEM.I.ST program of the Fédération Gay-Lussac, you choose high-level training and better your odds of obtaining a degree in chemistry and chemical engineering.

The CHEM.I.ST program is typical of the French tradition of engineering education, a model which has generated executive staff in the service of industry for over 200 years.

Here are the keys to its success:

- The teaching of **a solid scientific basis**
- A **European and international dimension** in a multicultural context
- You are taught to be **adaptable and fully autonomous**
- **A real approach to the various trades** in chemistry and industry at an early stage of your studies (internships)
- **The prestigious French** "diplôme d'ingénieur" (Engineering Degree) and a master's degree

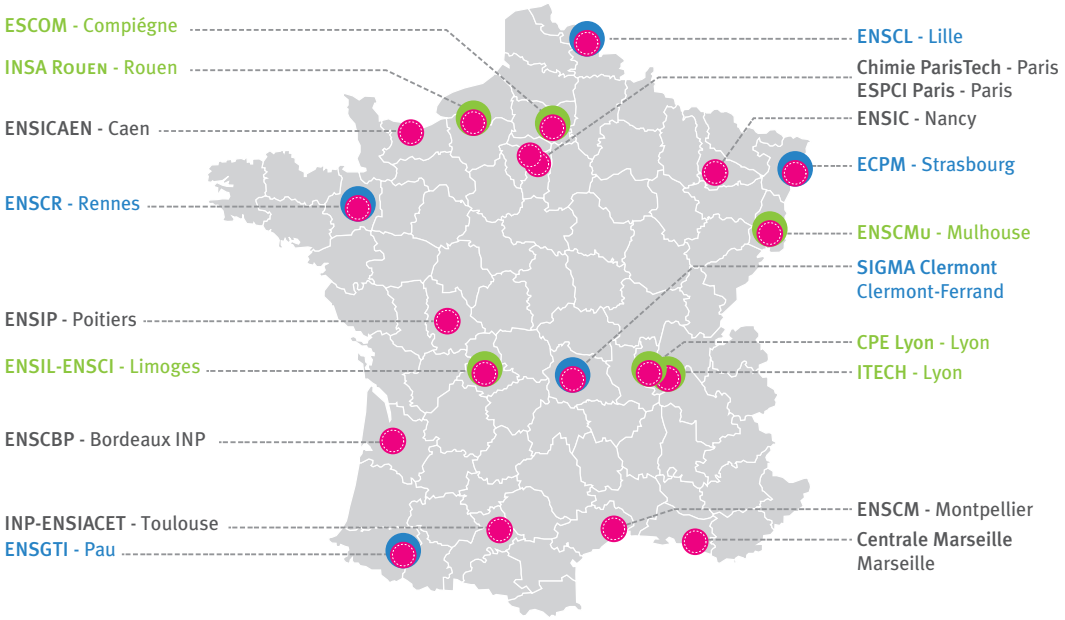
5 CITIES IN FRANCE
One training

The Federation Gay-Lussac offers 5 international programmes of CHEM.I.ST studies in 2 years, which are effective gateways to an engineering degree and a Master's. The teachings and methods are equivalent: it is up to you to choose between Lille, Pau, Clermont-Ferrand, Rennes and Strasbourg.

The 20 schools of chemistry, all members of the Fédération Gay-Lussac

The 5 schools offering integrated preparatory classes leading to entry into the 20 engineering schools

The 6 schools offering their own integrated preparatory classes



Clermont-Ferrand: in the heart of the Auvergne Rhône Alpes Region
Clermont-Ferrand is in the second largest economic region of France in the volcanic region of Auvergne. This city and its neighbors are home to Michelin, Aubert et Duval, Sanofi, Valéo, numerous small and medium-sized companies, and innovative start-ups in the sectors of chemistry, materials, and process engineering. With its 40,000 students, Clermont-Ferrand is able to offer a very rich, intense and varied cultural life. SIGMA Clermont can be found on the very well-equipped campus which is also well-suited to student life.
☎ +33 (0) 4 73 80 00 • @ scolarite@sigma-clermont.fr

Lille: a city where industrial tradition and technological innovation meet
Lille is located in the north of France, close to three major European capitals (Paris, London, and Brussels). This city offers the advantages of feeling like a town amidst a dynamic metropolis of 100,000 students. The ENSCL is situated on the Villeneuve d'Ascq scientific campus, close to the town centre. All the cultural and sportive activities available to students are offered there.
☎ +33 (0) 3 20 43 41 24 • @ scolarite@ensc-lille.fr

Pau: a university centre between the Pyrenees and the Atlantic coast
Pau is in south-west France, 50 km from the ski resorts and a 100 km from the Atlantic Ocean. It is a university city as well as a scientific centre at the very heart of the economic activity of the Adour where you can find large companies in the chemical, energy and aviation sectors. Pau, a city which feels like a town, is particularly dynamic and pleasant to study in. Within the Université de Pau and the Pays de l'Adour, the ENSGTI also encourages international exchanges.
☎ +33 (0) 5 59 40 74 00 • @ cpi@univ-pau.fr

Rennes: student life as you like it to be!
Located in the west of France, 2 hours from Paris by high speed train (TGV), Rennes is an important scientific and technological centre. This region has a mild climate and you will be warmly welcomed into this young and dynamic city (220,000 inhabitants and 58,000 students). The EnSCR is located on a vast green area, 10 minutes from the city centre by bus. You will find everything there that makes student life exciting.
☎ +33 (0) 2 23 23 80 05 • @ admissions@ensc-rennes.fr

Strasbourg: at the heart of Europe
As Strasbourg is located on the French-German border in the heart of Europe about 100 minutes from Paris by high speed train (TGV), many European institutions have made their home here. This city has the only French centre of excellence in chemistry. It offers its 50,000 students an international, varied and forward-looking cultural life. The ECPM enjoys the dynamic environment of the University of Strasbourg, and also the Strasbourg-Cronenbourg campus, a privileged environment with internationally-renowned research laboratories, 15 minutes from the city centre.
☎ +33 (0) 3 68 85 27 93 • @ chemist.ecpm@unistra.fr

VERSATILE TRAINING

The first two years of the CHEM.I.ST program take place from September to June for each academic year. The number of teaching hours averages 30h per week where 2/3 are scientific teaching, and 1/3 is non-scientific teaching. Courses are taught in French. Objective: to educate engineers able to fit into and evolve in the business world.

A solid scientific BASIS

Chemistry - Physics

Theoretical and experimental approach

Well-balanced amount of taught courses and tutorials

Maths
Computer science

Acquisition of fundamental tools

A DIVERSIFIED TRAINING **in social sciences for a truly international dimension**

2 compulsory foreign languages

French (for non-French-speaking students) and English

25% of the scientific lessons are in English (compulsory) and German (optional in Strasbourg)

Civilization: understanding today's world

Understanding the major international geo-economic and geo-political questions of today

A SUMMER SCHOOL **SCHOOL IN "FRENCH AS A FOREIGN LANGUAGE (FLE)"**

In order to give the foreign students the best chance of success in the CHEM.I.ST program, a summer school in "French as a Foreign Language (FLE)" and a special "refresher course" in scientific subjects is also organized.

Exert YOURSELF

Students who enjoy doing sport can combine this with their scientific studies. To that purpose, the Clermont-Ferrand centre offers specific arrangements.

Contact : damien.boyer@sigma-clermont.fr

BEGINNING **your engineering education**

At the end of the 2nd and final year of the "classe préparatoire", the Clermont-Ferrand, Lille, Pau, Rennes and Strasbourg centers rank their students. The assignment to one particular engineering school is made in accordance with the number of places available, your ranking and your wishes. The jury is chaired by the directors of the Federation Gay-Lussac.

APPLYING for admission to the CHEM.I.ST program: procedure

Two-phase admission

- Admission is based on **an application dossier** concerning your scientific and linguistic levels (grade B2 required in French)
- **and an interview,** which can also be done by telephone or Skype.

HOW **TO APPLY?**

- You can enroll online via the portal provided, which replaces the APB – Post-Baccalaureate Admission. More precise information will be communicated as soon as it reaches the Ministry (not yet the case at the moment of writing this brochure) and will be constantly updated on our internet site.
- Students can simultaneous apply to Clermont-Ferrand, Lille, Pau, Rennes and Strasbourg by completing an application form and choosing a number from 1 to 5 for each CPI centre in their list of choices.
- We therefore advise you to keep yourself up to date by regularly consulting the following website: www.2oecolesdechimie.com or by contacting your chosen school directly.

ASSESSING **YOUR BUDGET**

➤ Educational costs of CHEM.I.ST students (13,500 euros/year) are paid by the French Government. However, there are some fixed costs and expenses related to various services provided that must be paid by the students. Here is an assessment in Euros of the possible costs incurred for one year of study. This enables the student to calculate an average budget but is in no way binding.

- Registration fees 2017-2018 ..... 610 €
- Summer school (if applicable) ..... 900 € to 1600 €
- Insurance (health, housing, civil liability) ..... 280 € to 600 €
  Depending on whether the student has the right to French student social security
- Housing in a higher standing residence ..... 280 to 400 € per month
- Housing (regular university accommodation) ..... 142 € per months

PROFESSIONAL **INSERTION**

Future employment for our graduates

62% **of our graduates** are hired in large and very large companies.

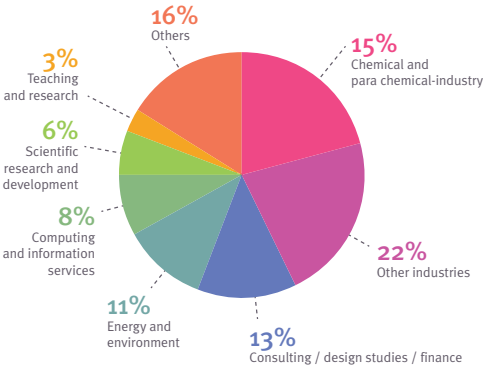
38% of our graduates are hired in **small, medium-sized** and very small companies.

92% of them have **an executive status.**

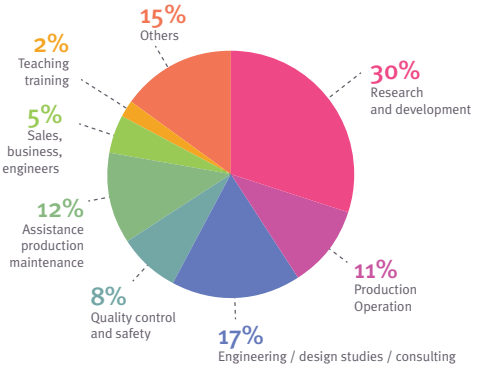
63% of graduates are working in the **industrial sector** (15% in the chemical industry).

30% **work** in research & development and scientific & technical studies.

➤ Graduates in companies
Distribution by activity sector



➤ Graduates in companies
Distribution by positions



KEY **FIGURES**

FÉDÉRATION GAY-LUSSAC

6000 student engineers in training

1600 graduates per year

120 laboratories

1000 PhD students

300 theses defended each year

30 000 hours of continuous training

CHEMICAL ENGINEER: **a multidisciplinary training**

Chemistry at the heart of tomorrow's jobs

- Chemistry is at the cornerstone of the future job market since a graduate engineer in chemistry can work in all economic areas including R&D, services, industry, and trade, etc. where there are many sectors which offer very good career opportunities.
- By entering the world of chemistry you will discover the exciting science of molecular phenomena and an industry that more than any other requires a wide range of profiles and competences.

In sport, fashion, construction, transport, nutrition, health-care, and cosmetics, we invite you to discover the jobs in chemistry, their great variety and especially their impact in our daily lives.

Chemical Engineering
or how to go from a few molecules to industrial production

Biotechnology
or how the living world can be of service to chemistry

Organic Chemistry
or how to understand the action of carbon containing-molecules in the living world

Chemistry of Water
or how to reconcile water usage and respect of the environment

Material Chemistry
or how chemistry contributes to the challenges of future materials

Analytical Chemistry
or how to analyze products and materials (water, air, etc.) using very sophisticated apparatus

Fédération Gay-Lussac
20 écoles de chimie

With the CHEM.I.ST program, the 20 schools within the Fédération Gay-Lussac open their doors to prepare you for your future career. All these schools work together and pool their means within a dynamic network to give a scientific, technological, human and managerial training, innovative and adapted to the industrial world.

JOIN **our community**

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