



CHEM.I.ST (CHEMISTRY INTERNATIONAL STUDIES)

Fulfil your vocation as a chemical engineer



The Fédération Gay-Lussac brings together 20 French chemistry and chemical engineering schools. For foreign students, it is an original and efficient access to the profession of chemical engineer and to the Master's degree. The international CHEM.I.ST program is:

- a 2-year common core, open to international students that come from science streams (scientific baccalaureate equivalent to a high school leaving certificate) and offered in 5 cities in France;
- followed by a **3-year engineering cycle** in one of the 20 French chemistry and chemical engineering schools, offering a wide range of options and specialities.

20ecoledchimie.com

Fédération Gay-Lussac

Five cities in France, one training

CLERMONT-FERRAND: A CITY AMIDST THE VOLCANOES WITH 2,000 YEARS OF HISTORY

Located in the wonderful Auvergne region in the centre of France and jewel of the medieval architecture, Clermont-Ferrand, is a dynamic city, home town of the well-known Michelin tyre company, offering a rich cultural life much appreciated by its 30,000 students. The **SIGMA Clermont (ex ENSCCF)** is situated on a nice campus completely renovated, 10 minutes from the city centre by tramway.

For more information

SIGMA Clermont (ex ENSCCF)

- Service des Etudes - Campus de Clermont-Ferrand - Les C zeaux CS 20265 - 27, rue Roche Gen s 63175 Aubi re Cedex
- Phone: +33 4 73 40 74 81
- Contact: cpi@ensccf.fr
- www.ensccf.fr

LILLE: A CITY WHERE INDUSTRIAL TRADITION AND TECHNOLOGICAL INNOVATION MEET

Located in the north of France, close to major European capitals (Paris, London, Brussels), Lille offers the advantages of a town at human size and amidst a dynamic metropolis of 100,000 students. The **EnSCL** is situated on the Villeneuve d'Ascq scientific campus. The CHEM.I.ST class is hosted by the "Lyc e Montebello" in the city of Lille, close to the town centre. All the cultural and sportive activities available to students are offered there.

For more information

 cole Nationale Sup rieure de Chimie de Lille

- BP 90108 - BT C7 Cit  Scientifique - 59652 Villeneuve d'Ascq cedex
- Phone: +33 3 20 33 62 75
- Contact: international@ensc-lille.fr
- www.ensc-lille.fr

PAU: A UNIVERSITY CENTRE BETWEEN THE PYRENEES AND THE ATLANTIC COAST

Located in the south-west of France, 50 km from the ski resorts and a hundred kilometres from the ocean, Pau is a university city and a scientific centre at the very heart of the economic activity of the Adour, where you can find big companies of the chemical, energy and aviation sectors. Pau, a town at human size, is particularly dynamic and pleasant to study there. Within the Universit  de

In the framework of the program CHEM.I.ST, the Gay-Lussac F d ration offers 5 international cycles of CHEM.I.ST studies in two years, which are possible and effective gateways to the engineering degree and to the Master's degree). The teachings and the methods are equivalent: it is up to you to choose between Clermont-Ferrand, Lille, Pau, Rennes and Strasbourg...

Pau et des Pays de l'Adour, the **ENSGTI** promotes the international exchanges.

For more information

Universit  de Pau et des Pays de l'Adour UFR Sciences et techniques

- Avenue de l'Universit  - BP 576 - 64012 Pau Cedex
- Phone: +33 5 59 40 74 00
- Contact: cpi@univ-pau.fr
- www.ensgti.univ-pau.fr

RENNES: STUDENT LIFE AS YOU LIKE IT TO BE!

Located in the West of France, 2 hours away from Paris by high speed train (1 hour by plane), an important scientific and technological centre, Rennes will welcome you in a region with a mild climate, in a young dynamic city at human size (220,000 inhabitants, among which 58,000 students). The **EnSCr** is located on a vast green area, 10 minutes away from the city centre by bus. You will find there everything that makes students 'life exciting.

For more information

 cole Nationale Sup rieure de Chimie de Rennes

- 1 all e de Beaulieu, CS 50837,

- Phone: +33 2 23 23 81 07
- Contact: relations-internationales@ensc-rennes.fr
- www.ensc-rennes.fr

STRASBOURG: AT THE HEART OF EUROPE

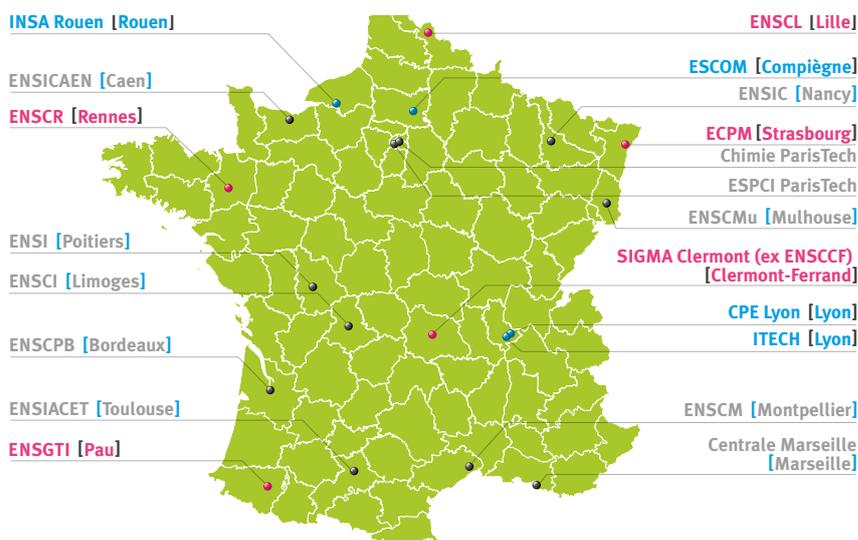
Located at the French-German border, at the heart of Europe, 2h20 away from Paris by high speed train, Strasbourg receives many European institutions and has the only French excellence centre of chemistry. It offers to its 50,000 students an international, varied and forward-looking cultural life. The **ECPM** enjoys the dynamic of the University of Strasbourg, one of the best worldwide, and also the Strasbourg-Cronenbourg campus, a privileged environment with research laboratories internationally renowned, 15 minutes away from the city centre.

For more information

 cole europ enne de Chimie, Polym res et Mat riaux

- 25, rue Becquerel 67087 Strasbourg Cedex 2
- Phone: +33 3 68 85 26 02
- Contact: chemist.ecpm@unistra.fr
- www.ecpm.unistra.fr

The F d ration Gay-Lussac 20 schools



The 5

schools offering integrated Gay-Lussac preparatory cycles, giving access to the 20 engineering schools

The 4

schools offering their own preparatory cycles

For further information see www.zoecolesdechimie.com

A solid and efficient springboard for your engineering career

By integrating a CHEM.I.ST program of the Fédération Gay-Lussac, you choose a high-level training and better your odds at obtaining a degree and chemistry and chemical engineering. Why? Here are the keys to success...

The CHEM.I.ST program is typical of THE FRENCH TRADITION OF ENGINEERING EDUCATION, a model that has generated for over 200 years higher executives in the service of the industrial world.

A SOLID SCIENTIFIC EDUCATION.

A EUROPEAN AND INTERNATIONAL DIMENSION in a multicultural context

A GOOD ADAPTATION CAPACITIES AND FULL AUTONOMY.

A REAL APPROACH OF THE VARIOUS TRADES in Chemistry and the company world at an early stage of your studies (internships).

The **PRESTIGIOUS FRENCH "DIPLOME D'INGÉNIEUR"** (Engineering Degree) AND A **MASTER'S DEGREE.**

ECUST – FGL

THE NEW INTERNATIONAL PROGRAM

The East China university of Science and Technology of Shanghai (ECuST) and the Fédération Gay-Lussac launched a Sino-French program. The east China University of Science and Technology of Shanghai (eCUST) and the Fédération Gay-Lussac launched a Sino-French program. What does it consist in? The students spend three preparatory years at the eCUST in China and the next three years in an engineering program in one of the Fédération Gay-Lussac's schools. This training is enriching from cultural, linguistic and human perspectives and also responds to the companies' needs.

Earning the French Graduate Engineering Degree

Our graduate schools of chemistry and chemical engineering train versatile engineers able to take the most diverse positions in a company. They are highly qualified scientific executives having the skills and qualifications to control the transformation of matter from research to the industrial stage in terms of quality, cost, security and environmental protection.

The engineering degree enjoys an international recognition of the diplomas passed, and guarantees the best chances of professional integration. It is also a gateway to doctoral studies leading to a PhD.

Exert yourself

Sporty students can put together high performance sport or good level sport and scientific studies.

To that purpose, the centre of Clermont-Ferrand proposes specific arrangements. [Contact: damien.boyer@ensccf.fr]

Career paths

"MUCH MORE THAN A TRAINING, A LIFESTYLE"

"The Chem.I.ST cycle?

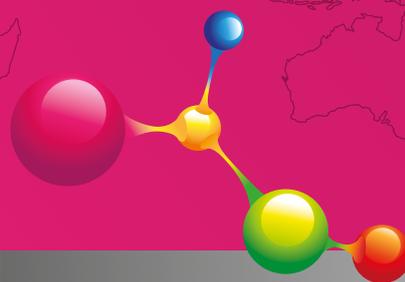
That is an international training!

The varied and multicultural atmosphere entirely changes our perspective of the world's dimension.

After two years of Chem.I.ST, I can affirm that it was a very positive life experience and that, above all, I have a lot of new friends, who come from different backgrounds... The Chem.I.ST cycle is much more than a training...

It is a lifestyle... The Chem.I.ST lifestyle."

Mihai – Ingénieur produit



A versatile and open training

The first two years of the CHEM.I.ST program take place from September to June for each academic year. Teaching hours average 30h per week: 2/3rd scientific teaching, 1/3rd non-scientific teaching. French is the teaching language.

Objectives: to form engineers able to fit and evolve in the business world.

A solid scientific teaching

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 humanities for a true international dimension

2 COMPULSORY FOREIGN LANGUAGES:

French and English
25% of the scientific lessons in English and/or German (Strasbourg)

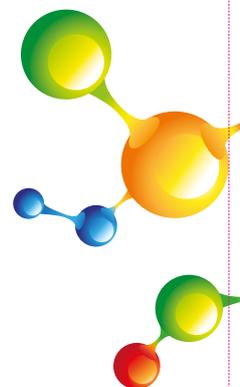
CIVILIZATION: UNDERSTANDING TODAY'S WORLD

Approach of the major international geo-economic and geo-political questions

And after the international CHEM.I.ST cycle?

At the end of the 2nd year of the “classe préparatoire”, the centres of Clermont-Ferrand, Lille, Pau, Rennes and Strasbourg make a ranking. **The assignment in the engineering cycle is made in accordance with the number of places available per school, your ranking and your wishes.** The jury is chaired by the directors of the Fédération Gay-Lussac's schools.

Look the teaching programs up on the schools' websites.



Good to know

A SUMMER SCHOOL IN FRENCH AS A FOREIGN LANGUAGE

In order to give the foreign students the best chances of success in the CHEM.I.ST program, a summer school in French as a Foreign Language and a special “refresher course” in scientific subjects is organised.

Career paths

“JUST TRY TO ADOPT IT!”

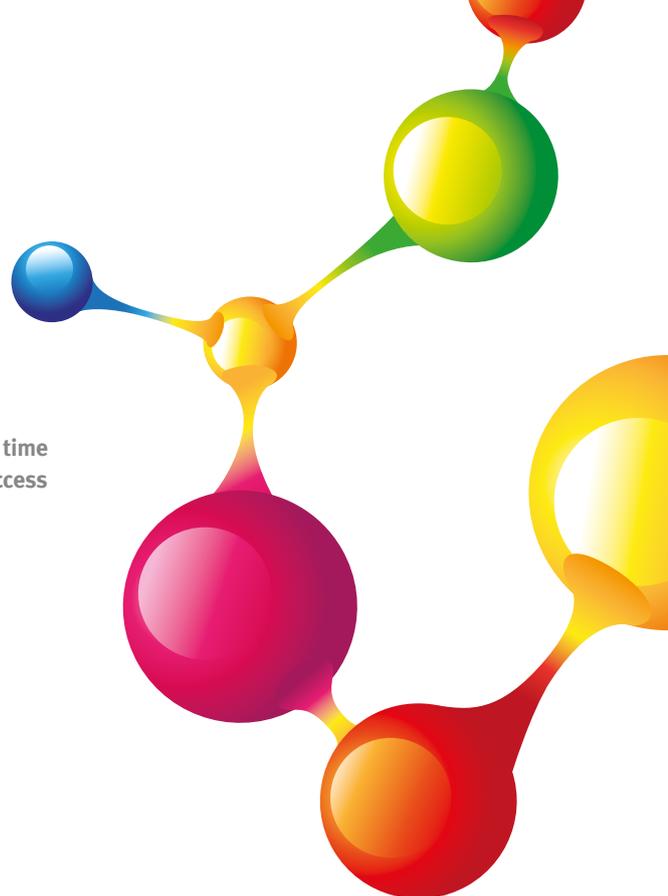
“When someone asks me if I have liked the two years of ‘classe préparatoire’, I have no hesitation: just try it to adopt it! I had the chance to integrate the CHEM.I.ST cycle and even if work has to prevail, being in class with students from all over the world opens your mind! For example, when we worked in pairs my partner of practical works was Chinese and in

two years we exchanged a lot about ours different cultures!

I could write lines and lines about it but here is the most important: in my opinion, the ‘classe préparatoire intégrée’, and more particularly the CHEM.I.ST program, is the opportunity to integrate a chemical engineering school in the best conditions.”

Mathieu – Business manager

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



Students who have passed in their home country, for less than a year at the time of application, the secondary school leaving certificate or diploma giving access to a scientific university may be admitted in the first year of CHEM.I.ST. Here are some tips on how to enter CHEM.I.ST program.

A TWO-PHASE ADMISSION

The admission is based on application file concerning the scientific and linguistic levels (grade B2 required in French) and an interview that can be done by telephone or Skype. Direct admission in the second year of the CHEM.I.ST program may be considered in some cases.

ASSESSING YOUR BUDGET

Educational costs of CHEM.I.ST students(13,500 €/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 costs involved for one year of study. It enables the student to calculate an average budget but is in no way binding.

- Registration fees 2015-2016..... 610€
- Summer school (if applicable)..... 900€ to 1,600€
- Insurances (health, housing, civil liability)..... 280€ to 600€
- Housing in a higher standing residence*..... 280€ to 400€ per month
- Housing (regular university accommodation) 141.50€ per month

*In Clermont-Ferrand: comfortable students housing are available from 250€/month.

In Lille: student residence(190€/month).

In Pau: a large number of housings.

In Rennes the "Gay-Lussac" residence near the school offers nice independent lodging at 330€/month.

In Strasbourg: student rooms reserved by the school from 165€ to 425€.

How to apply?

The students can apply in Clermont-Ferrand, Lille, Pau, Rennes and Strasbourg but have to submit only one application at the centre of Rennes that centralizes all the applications. Students who apply to the five centres will be invited to only one interview. The different centres can also recruit students independently. In this case, the candidates have to visit the web sites of the different centres to get more information about the recruitment procedures.

Deadline for application:

- European students: **mid-May**
- Non-European students: **mid-March**

Dates to remember

- French summer school 4 weeks in August
- Refresher in scientific subjects the week before the program beginning
- Program beginning..... early or midSeptember
- All Saints holidays 1 to 2 weeks
- Christmas 2 weeks
- February 1 to 2 weeks
- Easter 2 weeks

Key figures

6,000

student-engineers being trained

1,600

graduates per year

90

laboratories

1,100

PhD students and 250 post-doctoral fellows

3,000

interns in continuous training

30,000

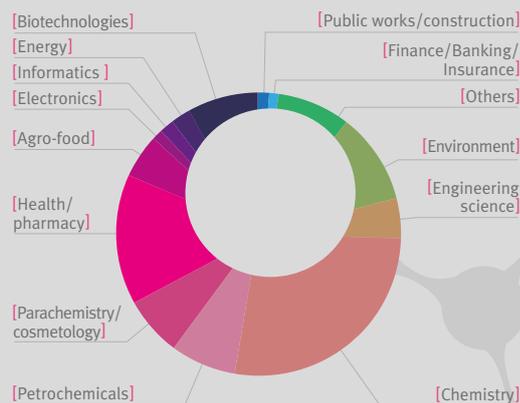
hours of continuous training

Chemical engineer: a multidisciplinary training

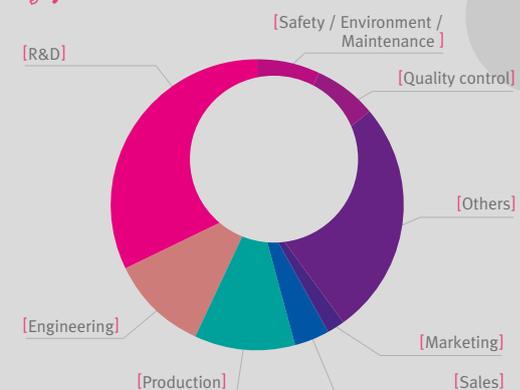
From the research to the industrial stage, the chemical engineer has acquired during the training the skills necessary to the knowledge of physical, chemical or biological changes of matter. Thanks to his versatile profile, he is a link of the innovation and technical progress chain, from life sciences to the environmental protection.

Chemistry is the cornerstone of the jobs of the future since the activities of a graduate engineer in chemistry serve all the economic areas: R&D, services, industry, trade..., many sectors that 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.

Distribution of engineers by employment sector



Distribution of engineers by job



Training you for working life

The 20 schools gathered within the Fédération Gay-Lussac open their doors so as to prepare you with the CHEM.I.ST program.

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**;
- sensitize students to the **corporate culture** and develop their **sense of independence, initiative and responsibility**;
- give solid **research** training in fields of excellence;
- offer the students a **wide range of specialities** thanks to a flexible mobility scheme between schools the last year of engineering cycle;
- broaden students' **international horizon** by practising foreign languages, training periods and double degrees all over the world.

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zoecolesdechimie.com

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