

INTERNATIONAL PREPARATORY CYCLE “CHEM.I.ST.” (CHEMistry International Studies)

GENERAL PRESENTATION

The Ecole Nationale Supérieure de Chimie de Clermont Ferrand (ENSCCF), Ecole Nationale Supérieure de Chimie de Lille (ENSCL), Ecole Nationale Supérieure de Chimie de Rennes (ENSCR) and Ecole Européenne de Chimie Polymères et Matériaux de Strasbourg (ECPM) offers **an international undergraduate chemistry programme** (CHEM.I.ST. : **C**hemistry **I**nternational **S**tudies) within the **Fédération Gay-Lussac** (F.G.L.), a network of 19 French graduate schools of chemistry and chemical engineering located throughout France with a wide range of specialties (see FGL. site : <http://www.gaylussac.net>).

This preparatory programme has been designed to host in a same class students having completed their secondary school for less than a year :

- students from the European Union, Central and Eastern Europe, America and Asia
- students issued from the French secondary schools in France and worldwide, and French speaking countries as well.

This **specific two-year programme** includes a high level scientific training enhanced by courses dealing with international economics and culture. After two years' studies in the “CHEM.I.ST.” programme, the students who have *fulfilled the examination requirements will be directly admitted* to one of the 19 Graduate Schools of Chemistry and Chemical Engineering member of the Federation Gay-Lussac (FGL) in order to earn in three more years the French “Diplôme d'Ingénieur”, graduate engineering degree, as well as a Master's degree in chemistry and chemical engineering. After the “CHEM.I.ST.” programme, the students admitted in the Schools of the Fédération Gay-Lussac will benefit from a wide range of international opportunities, including industrial training periods and studies abroad. Typically, they can spend part of their studies in the partner universities in Europe, America or Asia in order to earn a double degree : Master of Science and the French “Diplôme d'Ingénieur”.

PROGRAMME'S OBJECTIVES

CHEM.I.ST aims at :

- promoting from the early stage of a preparatory programme to French Engineering Schools of Chemistry and Chemical Engineering **a true international dimension** that is very much valued by the industrial world,
- giving the students **a solid multidisciplinary approach in science** (chemistry, physics, mathematics) and **humanities**,
- developing the **human and scientific potentialities** of young talents who are open-minded, adaptable and eager to make an international career.

PROGRAMME'S HIGHLIGHTS

- (depending on the center and subject to the local conditions) a small class of students in a multicultural and multilingual context
- a high level scientific training in chemistry, physics, mathematics
- an outstanding general knowledge approach including intensive courses of French as a foreign language and courses dealing with the main cultural, geo-economic and industrial issues of today's world.
- a sensitization of the students at an early stage of their studies to the reality of the various trades in chemistry and the company world through plant visits or industrial placements.

ADMISSION

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.* Selection is made on records (no entrance examination is required). The main criteria for admission are outstanding scientific results in secondary school and a strong motivation for career in chemistry and related fields of activity. If required, applicants may be interviewed in their home country by an FGL contact person prior to admission.

Prerequisite for foreign students : a minimum level of French language is necessary to follow the courses in the programme. Therefore, foreign applicants are advised to attend in their home country a basic French language course of no less than 300 hours before coming to France. Successful applicants whose level of French is deemed too low will follow **an intensive French language programme** (Summer School) during the month of August prior to integration into “CHEM.I.ST.”

All the foreign students choosing the Rennes centre will participate in a two-week scientific “pre-integration session” taking place in the 1st week of September. This course includes the revision of scientific notions (maths, physics, chemistry) normally required to follow studies in the French Engineering programs as well as teaching of scientific French (which is useful for general understanding and note taking in scientific classes).

For more information, please contact: Cycle CHEM.I.ST :

Ecole Nationale Supérieure de Chimie de Rennes (ENSCR)

Avenue du Général Leclerc
CS 50837
Campus de Beaulieu
35708 RENNES 7 – France

www.ensc-rennes.fr

Tel : 33 2 23 23 80 39

Fax : 33 2 23 23 81 99

Contact :

anne.menez@ensc-rennes.fr