

# EN SC M<sup>U</sup>

School of chemical engineers

# E

## NSCMU...

...is one of the French "Grandes Écoles". It is ISO 9001 certified and trains chemical engineers in close collaboration with industry. It recruits students after two years of higher education for three years of training.

of women  
**60%**

of men  
**40%**

# 261

students enrolled in the  
engineering degree course

**2019 - 2020**

# 72

graduates in 2018

# 79%

employed in the six months  
following graduation

# 14%

continue studying



## TS ASSETS...

### **A polyvalent degree programme for a wide range of career opportunities**

Theoretical and practical courses in organic chemistry, physical chemistry, cosmetology, environmental chemistry, formulation, materials, safety...

### **A focus on industry and research**

Internships and projects carried out in laboratories or with companies, lecturers from the world of work, a double Master's degree...

### **Building a career plan with company executives and managing personal projects**

Individual follow-up starting in first year and group projects chosen by students in first and second year

### **Numerous international opportunities**

Cross-border area close to Germany and Switzerland, double degrees and academic exchanges, internships abroad

### **An excellent quality of life and a wealth of much-appreciated associations**

Dynamic student life, state-of-the-art facilities, green campus close to the city center providing all university services



# A DMISSION

equivalent to the 1<sup>st</sup> and 2<sup>nd</sup> years of Bachelor's

equivalent to the 3<sup>rd</sup> year of Bachelor's

2 years of preparatory course

1<sup>st</sup> year of engineering course

## Directly after the French Baccalauréat

Students can join the integrated cycle of ENSCMu through the INSA group ([admission.groupe-insa.fr](http://admission.groupe-insa.fr))

→ selection on the basis of academic record and an individual interview

## A two-year preparatory course Chem.I.St through the Gay-Lussac Federation

the network of 20 French chemistry schools ([www.20ecolesdechimie.com](http://www.20ecolesdechimie.com))

→ competitive entry

## A two-year preparatory course in France after the French Baccalauréat

Students can join ENSCMu after two years of first cycle studies in a French high school, after two or three years of Bachelor's degree...

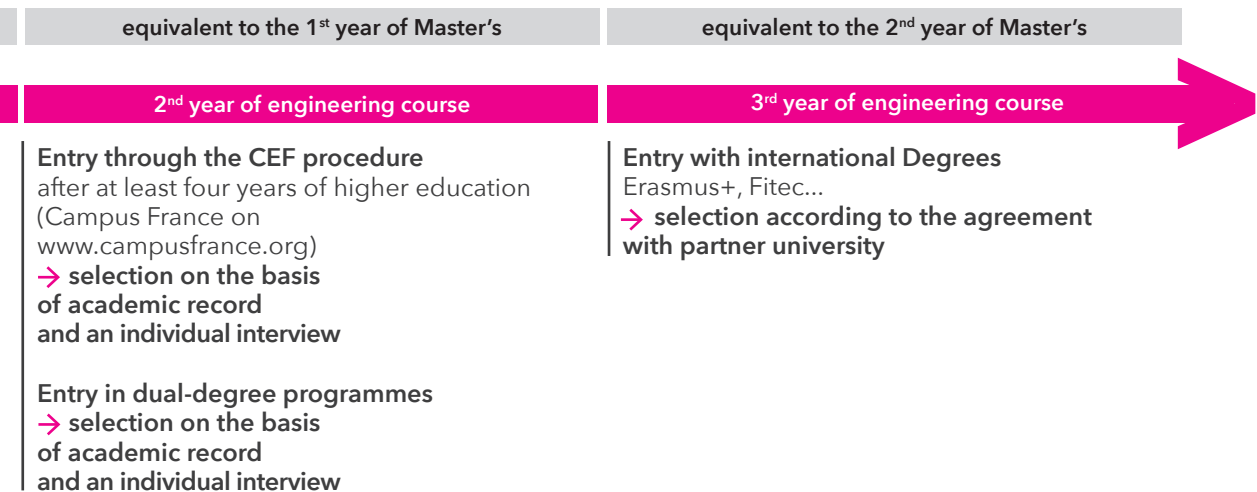
## Entry through the CEF procedure

after at least two years of higher education (Campus France on [www.campusfrance.org](http://www.campusfrance.org))

→ selection on the basis of academic record and an individual interview

## Entry after cross-border programmes

equivalent to two years of higher education  
→ selection on the basis of academic record and an individual interview





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## YLLABUS OF THE ENGINEERING DEGREE COURSE

### 1<sup>st</sup> AND 2<sup>nd</sup> YEAR

**Lectures and seminars** (about 300 hours per year)  
**and practical works** (about 290 hours per year)

Analytical chemistry, formulation, inorganic chemistry, macromolecular chemistry, organic and bio-organic chemistry, physical chemistry, applied mathematics and computing, engineering sciences, reaction safety.

Specialisation in engineering sciences, organic chemistry or materials open to choice in 2<sup>nd</sup> year.

### Languages

English and German, Spanish or French for non-native speakers.

### Human, social and economic sciences

Business economics, communication tools and techniques, discovery of employments and fields of activity, health and safety, job interview simulations, quality, sustainable development.

### Training engineers

Team-project management (organisation of scientific workshops, active commitment to various students' associations, event planning...), projects in collaboration with laboratories or companies, career plan follow-up.

### Internships in France or abroad

First-year placement (4 to 8 weeks).

Second-year research internship (at least 8 weeks).





### 3<sup>rd</sup> YEAR

**Engineering sciences, case study, simulation of industrial processes**

6 ECTS

**Languages** 3 ECTS

**Human, social and economic sciences** 7 ECTS

English

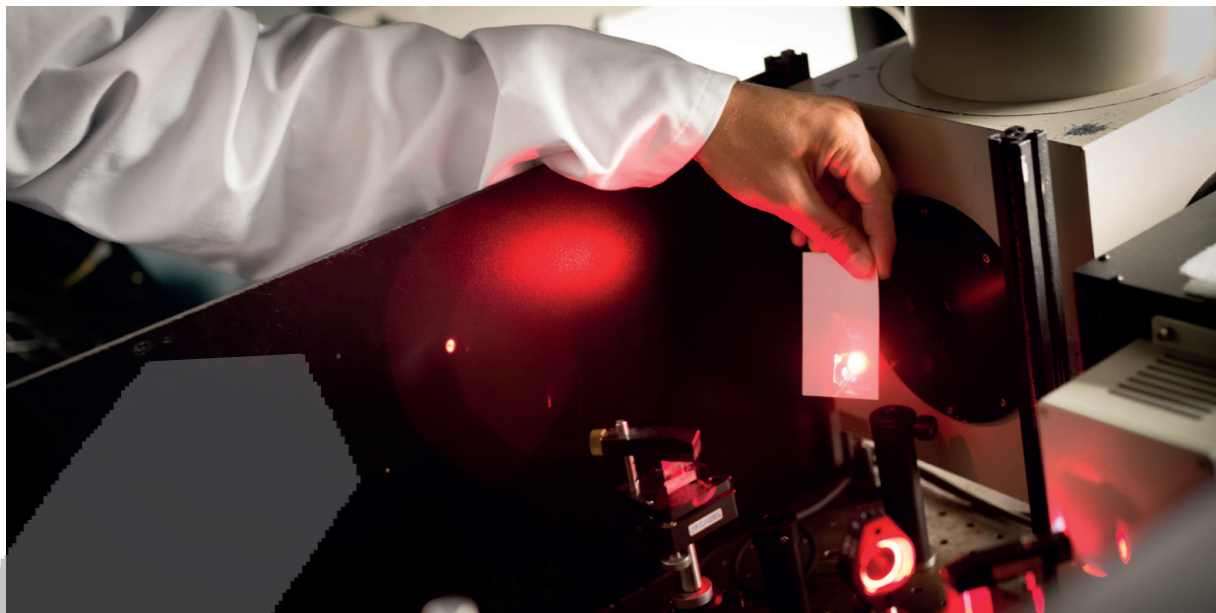
Management, International marketing...

**One compulsory specialisation** (200 h) 14 ECTS

- Formulation and cosmetology
- Materials and polymers
- Organic and bio-organic chemistry
- Safety and sustainable development

**Internship in France or abroad** 30 ECTS

Industrial work placement for 6 months.



# C

## **LOSE RELATIONSHIPS WITH RESEARCH AND INDUSTRY**

### **Teachings at ENSCMu are based on research carried out on the Mulhouse campus**

The research is carried on in various fields - inorganic chemistry, macromolecular chemistry, materials, organic and bio-organic chemistry, photochemistry, the environment and hazards, safety.

Professors share the latest developments in their field with the engineering students.

Students must complete a research internship and may also carry out a research project in second-year.

### **The world of work is strongly involved in the programme**

Professionals are involved in the programme through the lectures they provide as well as their commitment to the school board, the organisation of conferences and events with companies and engineers graduated from ENSCMu, or the fact that many partners take on ENSCMu students as interns...





## INTERNATIONAL MOBILITY

All ENSCMu students must go abroad during their studies. They may complete an internship or take part to an academic exchange programme with one of ENSCMu's 40 international partners.

### **Academic exchanges in final year**

Students who graduate from ENSCMu and students coming from a partner university have the possibility to:

- complete a double degree (with a partner university in Toledo - USA or in Chicoutimi - Quebec).
- spend a semester as an exchange student in one of our partner universities (FITEC programmes in Argentina, Brazil, Mexico, "Erasmus +" programmes in Bulgaria, Germany, Spain..., other bilateral programmes in the UK, in Japan...).

### **Internships in laboratories or with companies**

First-year placement, second-year research internship, third-year engineering internship.



## LOCATION AND FACILITIES

### **A green campus**

The National College of Chemical Engineering of Mulhouse is located on the main campus of the Université de Haute-Alsace, set in 50 acres of gardens. ENSCMu students have access to all facilities and accommodation available on the campus: catering, culture and health services, housing, sports facilities... Easy to reach by public transports, the campus is 10 minutes from the city center and 30 minutes from the Basel-Mulhouse EuroAirport.

### **An attractive region**

Mulhouse is the ideal starting point to discover a beautiful region and its many charms (gastronomy, mountains and ski resorts, museums, vineyards...). Mulhouse also offers the possibility to become more familiar with French, German and Swiss culture and to work in a cross-cultural environment.

### **The Students' Union**

There's something for everyone after school thanks to the many clubs and associations of the Students' Union: Engineers Without Borders, games club, theater, music and dance clubs, cosmetology association, football, volleyball, handball, basketball and badminton teams...

### **Cost of living**

Accommodation : from 300 to 400 euros for a studio  
 Food : around 3.3 euros/meal in university restaurants  
 Sports : 25 sports activities available in university gymnasium for free and sports activities organised by students at ENSCMu  
 Culture : reduced prices in Alsace with the Carte Culture issued by the University  
 Transportation : around 20 euros per month for a bus/tram subscription



**GROUPE  
INSA**  
PARTENAIRE

**Cti**  
Commission  
des Titres d'Ingénieur



Fédération  
**Gay-Lussac**  
20 écoles de chimie



**ENSCM<sup>U</sup>**

3, rue Alfred Werner  
68093 Mulhouse Cedex  
+ 33 (0)3 89 33 68 00

International office  
+ 33 (0)3 89 33 68 14  
international.enscmu@uha.fr



[www.enscmu.uha.fr](http://www.enscmu.uha.fr)  
[www.facebook.com/enscmu](https://www.facebook.com/enscmu)