
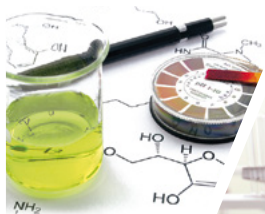


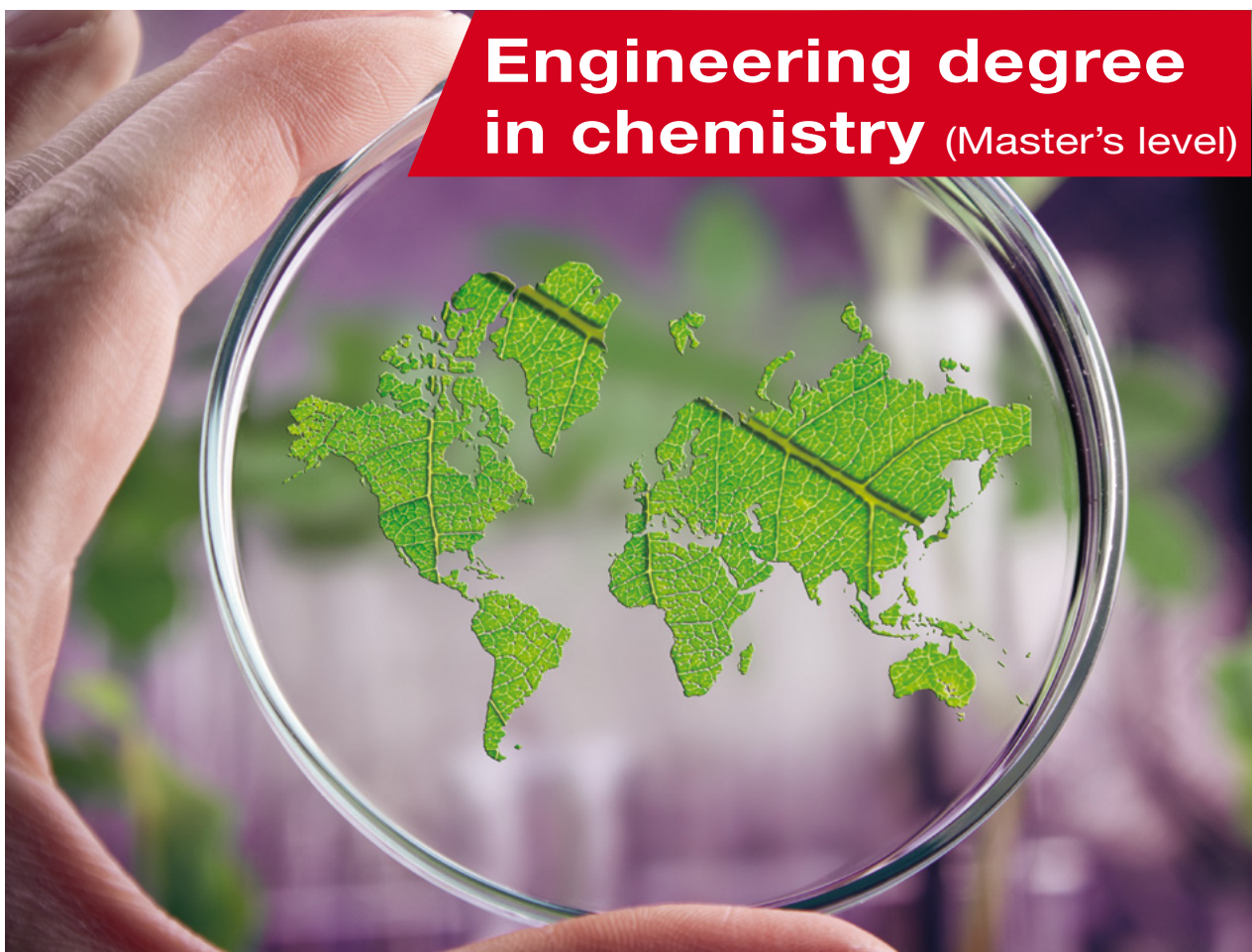


Ecole Supérieure
de Chimie Organique et Minérale 

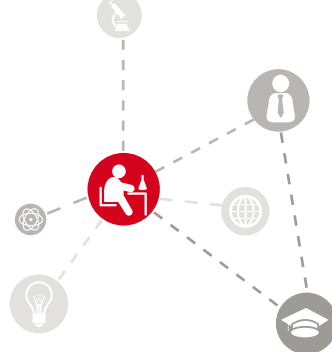


Compiègne
FRANCE 

Engineering degree in chemistry (Master's level)



Join us at **ESCOM**



ESCOM is a higher education institution in chemistry and chemical engineering located in Compiègne in France, less than one hour from Paris. Our training and degree are recognized by the French Ministry of Higher Education and Research and accredited by the Commission des Titres d'Ingénieur (CTI).

Our engineering programme allies scientific courses, mainly **chemistry**, together with **chemical and process engineering**, but also **human sciences** (economics, social sciences and languages), **business awareness and internationalization**.

Joining ESCOM will allow you to benefit from a training **focused on innovation, green chemistry and sustainable development**. We prepare

students for a diversity of jobs and fields of activity: fine chemistry and applications, biotechnologies, agro industries, environment, energy, pharmacy, cosmetics...

There are today 624 current students at ESCOM and an alumni network of about 3 000 students. We welcome around 20 new international students each year, either as exchange student or degree students. Located on the Campus of the University of Technology in Compiègne (UTC) with about 4 000 students in total, ESCOM contributes to a **territorial dynamic at academic and research levels in green chemistry and sustainable processes**.



30 partner universities in **15** countries



6 double-degree programmes



20 new international students welcomed each year



What international students like at ESCOM:

- the programme mixing chemistry with processes and human sciences **to train open-minded and multi-skilled engineers**
- theoretical courses combined with practice thanks to a significant number of hours in laboratories, group projects and **interventions of industrial professionals**
- the high level of professionalization (up to 15 months of internships) and **strong relationships with industry and companies**
- **a wide range of majors** in fifth year to meet everyone's expectations
- **a wide network of partner companies and universities worldwide**
- **a personalized support** for your integration, study project and career
- **a human-sized institution** facilitating your integration and your participation into the rich and dynamic student life
- the city of Compiègne, pleasant to live and easy to get your bearings, **close from Paris** with an affordable standard of living.



ESCOM on the international scene

ESCOM engineering degree is organised over 5 years. The final degree corresponds to the equivalent of a master's degree and meets the requirements of the EUR-ACE European label.

ENGINEERING DEGREE / 300 ECTS				
Year 1	Year 2	Year 3	Year 4	Year 5
Preparatory programme		Engineering programme		
BACHELOR / 180 ECTS			MASTER / 120 ECTS	

International students can join our institution thanks to different programmes at different levels:

- ▶ for an exchange of one or two semesters.
- ▶ for a double-degree programme during at least 3 semesters.
- ▶ as a degree student (2 years at least). Applications can be submitted through Campus France – Etudes en France for countries concerned or directly to ESCOM before June 15th.
- ▶ for a research placement in laboratory.

▶ ESCOM actively participates to international networks and programmes:

- Campus France and the online application Etudes en France
- n+i
- Gay-Lussac Federation (FGL) / CHINA
- Conference of the Directors of French engineering schools (CDEFI) / AMERICA in Central and South America with FITEC programmes
- FESIC for the private higher education institutions (FESIC) / SENEGAL



ESCOM holds the Erasmus + Charter for Higher Education to develop student mobility for studies and placements but also teaching and staff mobility.

Outside Europe, ESCOM participates to student exchange programmes like:

- Brafitec
- Arfitec
- Science without Borders
- Student Exchange Programme with Quebec Universities

ESCOM has also developed other bilateral agreements with universities worldwide. You can check with your university.

The list of partner universities, conditions of application and detailed programmes are available on our web site www.escom.fr / visit international page.







Programme at ESCOM

ACADEMIC CALENDAR:

Semester 1 – from September to January
Semester 2 – from February to May

Placements: between June and August

All courses are delivered in French.

	STUDY PROGRAMME	PROFESSIONAL EXPERIENCE	ADMISSION PROGRAMME
1 st year	PREPARATORY PROGRAMME <ul style="list-style-type: none"> ▶ Mathematics ▶ Physics ▶ Computer science ▶ General chemistry ▶ Organic chemistry ▶ Analytical chemistry 	 90h lab  Worker placement (1 month)	– Degree programme : application on Etudes en France/My Campus France or directly to ESCOM + online interview
3 rd year	<ul style="list-style-type: none"> ▶ Structure of matter ▶ Organic chemistry ▶ Inorganic chemistry ▶ Analytical chemistry ▶ Transfer phenomena & reactors ▶ Formulation ▶ Engineering methods & tools ▶ Business environment & professional project ▶ English & second language 	 82h lab  Technician placement (2 to 3 months)	– Exchange programmes – Degree programmes – FGL Programme with ECUST – FESIC Programme with Dakar – Partnership with ISCG Yaoundé
4 th year	<ul style="list-style-type: none"> ▶ Catalysis, green chemistry & organic chemistry ▶ Organometallic chemistry ▶ Spectroscopy ▶ Analytical chemistry ▶ Process engineering ▶ Quality & statistics ▶ Industrial chemistry ▶ Formulation ▶ Management ▶ Professional project ▶ English & second language ▶ MAJOR: Products & formulation / Process engineering & biotechnologies / Life sciences chemistry & biology / Green chemistry 	 247h lab  Engineer placement (3,5 months)	– Exchange programmes – Degree programmes – n+i
5 th year	<ul style="list-style-type: none"> ▶ Risks management & sustainable development ▶ Engineering techniques ▶ Economics & management ▶ Professional project ▶ English & second language ▶ One major among 10 available 	Final study project (6 months)	– Exchange programmes
IN YEAR 5, STUDENTS APPLY FOR ONE MAJOR AMONG 10 AVAILABLE:			
MAJORS AT ESCOM		MAJORS IN PARTNERSHIP WITH UTC AND UPJV (double-degree : Master + Engineering degree)	
<ul style="list-style-type: none"> ▶ Industrial Management & Marketing ▶ Quality, hygiene, safety, environment ▶ Products & applications ▶ Elastomers (in partnership with IFOCA) 		<ul style="list-style-type: none"> – Biotechnology – Formulated products engineering – Transformation & valorisation processes for renewable resources – Chemical transformation of natural resources – Water analysis, control & quality – Quality of water treatment 	

▶ Depending on their admission profile, students may have the possibility to apply for complementary majors in partnership with other engineering institutions in chemistry in France or abroad as well as with IFP School in Paris.

Research & Industry



ESCOM actively participates to research in partnership with the University of Technology in Compiègne (UTC) and University of Picardy Jules Verne (UPJV) in Amiens within the team **“Integrated transformation of renewable matter”**.

Our activity stands at the crossroads between practice and knowledge in process engineering and chemistry, and is oriented towards the objective of value-adding to agro-resources, in an overall strategy of sustainable development. Given its range of activities, the TIMR Lab is an integral partner in the **world class competitiveness cluster IAR (Industry and Agro-food resources)**.

ESCOM researchers bring their expertise in the following fields:

- ▶ **Chemical transformation for renewable matter:** developing new molecules from biomass such as carbohydrates and sugar alcohols using alternative techniques like subcritical water or microwave irradiation... ; and organometallic catalysis in aqueous phase.
- ▶ **Agro-industrial technologies:** mastering processes for extraction, purification and conservation of agro-resources and more specifically, implementing non-standard physical transformations.
- ▶ **Interfaces and divided milieus:** implementing and designing micro- and nanoheterogeneous systems in which phenomena at interfaces play a key role.

ESCOM also develops research projects in partnership with industries and companies such as PCAS, Sofiprotéol, Oléon, Cargill, Momentive, Téreos, NOF Metal Coatings...

Complementary to research, ESCOM has built strong partnerships with companies involved in our training programme, especially offering placement opportunities : Areva, Arkema, BASF, Sanofi, Solvay, Lubrizol, L'Oréal, Veolia, Total...

ESCOM research teams have regularly the opportunity to welcome international students from Bachelor to PhD.



www.utc.fr/timr



www.institut-pivert.com

At the interface between academic research and industry, the Institute for Energetic Transition P.I.V.E.R.T. aims at developing a competitive plant-based chemistry using a renewable and promising raw material: the oilseed biomass. The ITE P.I.V.E.R.T. is the first European centre for the valorization of the whole oilseed plant into a renewable chemical products and energy, with 26 academic and industrial partners, including ESCOM, and 150 researchers for a global budget of €220 millions over 10 years.

Useful information

your stay in Compiègne

International Relations Office

The International Relations Office will be your contact point helping you to arrange your arrival and listening to your needs during your stay to make your project in France a success.

Tuition fees

Exchange students are exempted.

Degree students have to pay tuition fees corresponding to €3775/year in year 1 and year 2 and €6450/year from year 3 to year 5.

Scholarships

Some exchange programmes and embassies offer specific scholarships to study in France. For more information on campus courses, you can also visit <http://www.campusfrance.org/fr>.

Degree students admitted can apply after their arrival at ESCOM to our excellence scholarship.

Accommodation

ESCOM will help you to find an accommodation. 3 student residences run by the CROUS (public service in charge of student life including housing) are located in Compiègne, including independent studios or shared apartments for 4 students, from €250.00 to €350.00/month.

Buddy programme/tutorship

International students can register for the buddy programme and/or tutorship programme. You will be welcomed by a student who will provide you with his/her support all along your stay to facilitate your integration. An academic or administrative tutor can also be nominated to ensure your academic follow-up with methodological, technical and scientific advice.

Welcome days

You will be invited to participate to the welcome days for international students during the first week of September (presentation of the programme, visit of the campus and the city, administrative support for registration, visas & permits, bank account, social security & insurances – social events...)



to prepare



Healthcare system - Social security & insurances

Registration to the French student social security is compulsory (about €217.00/year). Your cover will have to be completed with a private insurance from your home country or from a French insurance or “mutuelle”.

Budget

Excepted tuition fees, the monthly budget estimated for a student in Compiègne is around €600.00 including housing, transport, food, clothing, leisure... More expenses have to be expected and forecasted for the first month.

Student life

The student life is led by the Student Union (Bureau des Etudiants – BDE) with the support of different student associations in charge of organising key events all along the year : parties, barbecues, annual gala, skiing weekend, trips in Europe...; but also thematic associations for music, theatre, sport, dance, charity, oenology, cooking, photography/video...

Location & transports

Students particularly appreciate Compiègne as a calm and human-sized city with 40.000 inhabitants. You will benefit from an ideal location : 45 minutes from Paris by train, 45 minutes from the international airport Roissy-Charles-de-Gaulle, 45 minutes from the low-cost European airport in Beauvais-Tillé. Compiègne enjoys a historical environment with a rich heritage and exceptional natural surroundings with wide woodlands (Imperial palace, castles in Pierrefonds and Chantilly...). You will also have access to many sport & leisure equipments (sports hall, cycle tracks, swimming pool, ice-skating, bowling, karting...) and cultural activities (cinema, theatres, concerts, festivals...). Public transports (buses) are free inside Compiègne city.

French language courses (FLE)

Non-French speaking students will have the possibility to take free French language courses during the year (2 hours per week). Intensive programmes during summer can be recommended on request with our partners, University of Technology in Compiègne and International Academy in Lille (fee-paying programme at your charge).

“ I’m a Brafitec student in exchange for a year and I received a very friendly welcome from all. Integration programmes helped me a lot for the life in Compiègne and to get well integrated to the French culture thanks to my buddy. I’m very grateful to ESCOM also for having developed my skills to work in groups and for the opportunity to apply my knowledge during a practical placement. ”

Matheus (4A), UFRGS, Brazil



Testimonials

“ ESCOM offers a broad-based training in chemistry and chemical engineering in a welcoming environment. I have been very well guided in my professional project. I also had the chance to benefit from the support of the Regional Council of Picardy with a scholarship (Phileas Accueil) to help me with my degree project. ”

Kelvin (4A), Cameroon





Contact


Sophie JOURDAIN-PASQUIER

Head of international relations

✉ s.jourdain@escom.fr

☎ +33 (0)3 44 23 88 29



Ecole Supérieure
de Chimie Organique et Minérale 

1 allée du réseau Jean-Marie Buckmaster
60200 Compiègne / FRANCE
Tél. +33(0)3 44 23 88 00 / Fax +33(0)3 44 97 15 91

www.escom.fr

Join us on Facebook & YouTube

