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ENGINEERING EDUCATION

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Erasmus+

EPF, a general engineering school with a responsible and international outlook

"The international dimension is one of EPF's strong points, and we put it at the centre of everything we do at the school. Thanks to bi-national programmes, dual degrees, more than 150 international partners throughout the world and the compulsory learning of two foreign languages, EPF is ranked among one of the top French Engineering Schools in terms of international studies. Our four campuses make it a priority to provide a warm welcome to international students, each campus having its own special unit within the school and two student societies dedicated to offering them an exceptional learning experience throughout their time with us at EPF."

Jean-Michel NICOLLE
Managing Director, EPF

EPF IN A NUTSHELL

Founded in 1925, the *École Polytechnique Féminine* (EPF) is a leading French General Engineering School offering its students a comprehensive multidisciplinary education. The school has four ideally located campuses in Paris-Cachan, Troyes, Montpellier and Saint-Nazaire, home to over 2,600 students!

EPF is proud to be one of the first-ever institutions in France to offer women access to engineering studies. With **35% of female students**, it is still one of the schools with the highest number of women studying engineering. Open to gender diversity since 1994, **EPF trains general engineers who are open to the world**.

For almost a century, EPF's training programmes have been built around three fundamental values: **Innovation, Boldness and Engagement**.

Our objective is to train outstanding polytechnic engineers while contributing to cutting-edge research for the industry of the future by supporting innovation for the benefit of society.

Diversity is also a key element of our school.
EPF makes access to higher education for all a priority at the heart of its recruitment policy.

With a powerful international outlook, we offer you the possibility of completing part of your studies overseas through exchange programmes and dual degree courses.

EPF makes it a priority to provide a warm welcome to international students at its campuses. The international development department and two student societies are in charge of supporting you throughout your studies in France.

BIENVENUE EN FRANCE

EPF KEY FIGURES

4
French campus locations in Paris-Cachan, Troyes, Montpellier and Saint-Nazaire

35%
of female students

150+
university partners worldwide

1
campus location in Dakar (Senegal)

175
support staff and professors

13,500
EPF alumni

3
engineering degrees accredited by the *Commission des Titres d'Ingénieurs* (Commission for French Engineering Qualifications)

650
lecturers from the world of industry

600
partner companies

"For my higher education studies, I wanted to attend a school that would allow me to reach my full potential and acquire a certain intellectual background at the same time. By searching on the Internet, I was able to compare various programmes, and in particular on the website of the Gabonese National Scholarship Agency, which offers a list of institutions they have signed agreements with. Among all the universities and schools, EPF was the one that met my expectations not only in terms of teaching but also the quality of student life. With its exceptional multidisciplinary curriculum and a particularly active community spirit, EPF immediately captured my interest. This is why I chose the school for my higher education because I saw it as the best option to prepare for the career of biomedical engineer."

Maria-Victoire ASSELE TSETSE,
EPF student on the Troyes campus

Join an engaged "Grande École" engineering school

As one of the leading French engineering schools, EPF is a selective higher education institution offering a general programme that focuses on the excellence of its students.

The cohorts are organised to offer you a high ratio of supervision and individual support throughout your degree course.

EPF is open to applicants from the end of high school and at various entry levels throughout higher education studies.
International students can apply to join the school as early as the undergraduate cycle (the first 3 years), and also in the 4th year.

The school's general engineering training programme offers many advantages and allows you to benefit from a rich and comprehensive education so as to specialise in the field of your choice after acquiring solid foundations.

PEDAGOGICAL AND DIGITAL INNOVATION AT THE HEART OF THE LEARNING PROCESS

EPF employs a project-based approach to learning, so that students are confronted with real-life situations they will encounter in the world of work. This project-based learning method allows students to develop technical skills under the supervision of professors, as well as soft skills, which are essential to the qualities required of an engineer.

The school is also very open to new technologies and uses them daily in its programmes. EPF has created a number of technological laboratories, called TechLabs, where students can use various machines, such as 3D printers for their projects.

The IPN (Pedagogical and Digital Innovation) unit also exists to provide ideas for the use of new technologies in the school's teaching methods. The work of the IPN unit focuses on blended and digital learning.

EPF programmes

A GENERAL AND CAREER-ORIENTED PROGRAMME

▸ UNDERGRADUATE CYCLE

Year 1	30 ECTS	Semester 1	S1	30 ECTS Semester 2	S2
Year 2	30 ECTS	Semester 1	S3	30 ECTS Semester 2	S4
Year 3	30 ECTS	Semester 1	S5	30 ECTS Semester 2	S6

September – January | February – June

▸ MASTERS CYCLE

Year 4	30 ECTS	Semester 1*	S7	30 ECTS Semester 2 Major	S8
Year 5	24 ECTS	Semester 1 Major	S9	30 ECTS Semester 2 PFE**	S10

**"Student-engineer" internship*

*** Final project*

Possibility of further study — **Graduate employment**

MAJORS

Aeronautics & Space	PARIS-CACHAN
Materials & Sustainable Structures	PARIS-CACHAN
Digital engineering	PARIS-CACHAN
Engineering management	PARIS-CACHAN
Engineering & Health	PARIS-CACHAN
Data engineering	MONTPELLIER
Energy & Environment	MONTPELLIER
Engineering & Sustainable Architecture	TROYES
Sustainable industrial design	TROYES

Mahdi CHEMKHI
Head of the EPF TechLab in Troyes

"Having the TechLab at EPF is a real advantage for our students as it places innovation, creation and entrepreneurship at the heart of their studies.
The use of the TechLab offers an extra dimension to their theoretical training, giving access to a variety of machines, which allows them to be more engaged in the projects they undertake during their course.
As such, the TechLab provides technological support, giving students the tools needed to carry out their projects. It also offers student engineers the opportunity to discover the world of research through projects supervised by researchers."

An international outlook

Many courses in the Master's degree cycle have been taught in English for several years now, making it possible to accept non-French-speaking students, particularly as part of an exchange programme. Some majors are even taught entirely in English.
The majors extend over two academic years and are structured around two academic semesters, supported by two semesters of internships.

PARIS-CACHAN CAMPUS

Engineering management

This major prepares engineers **capable of understanding the strategic and tactical challenges facing a company**, and of designing and deploying the most appropriate tools to optimise operations or to facilitate the company's transformation, particularly its digital transformation.

MONTPELLIER CAMPUS

Data engineering

The Major in Data Engineering prepares flexible and adaptable engineers, **capable of assisting companies and laboratories in the organisation and exploitation of their data**. It favours a systemic approach integrating legal, ethical and environmental aspects.

MONTPELLIER CAMPUS

Energy & Environment

This major prepares flexible and adaptable engineers, **capable of solving new industrial problems related to the ecological transition**. Particular emphasis is placed on the role of digital transformation.

MASTER OF SCIENCE ICE: INNOVATION, CREATIVITY AND ENTREPRENEURSHIP

The Master of Science in Innovation, Creativity & Entrepreneurship aims to develop students' skills in engineering, management and design for innovation & value creation through intra or entrepreneurship.

This course was created in partnership with South Champagne Business School and in collaboration with the Aube Region Technology Park, which is home to over 60 start-ups.

Accredited by the French Federation of Engineering Schools (Conférence des Grandes Écoles), this programme is open to engineers, managers and designers.

Run 100% in English and attended by students representing a variety of nationalities, the MSc ICE features a pedagogical approach that focuses on projects, a mix of student profiles and teamwork on truly innovative and societal challenges.

In order to develop their entrepreneurial culture and skills, students benefit from an **«entrepreneurial training»** phase, which involves meetings with business leaders, networking sessions, lecture series, participation in workshops and Plug & Start Campus days, and meetings with lobby groups from the European Commission.

EXCHANGE PROGRAMMES

EPF has signed exchange agreements with 150 partners around the world, allowing its students to study abroad for a semester, as well as allowing students from partner institutions to spend 1 or 2 semesters on exchange at one of our 4 campuses in France.

You can take courses in French or English depending on your specialisation. **Exchanges in Europe are part of the Erasmus + programme.**

Erasmus+

FOREIGN LANGUAGE SKILLS

The command of languages, and of English in particular, is just as much a requirement today as the engineering sciences. **Engineering students therefore study two foreign languages, of which English is compulsory**. The other languages taught include German, Chinese, Spanish, Italian and Japanese. The portfolio of languages offered may change according to demand and the campus where students are studying.

EPF also has its own French as a Foreign Language department. International students can attend French classes once or twice a week depending on their level.

fle QUALITÉ FRANÇAIS LANGUE ÉTRANGÈRE ★★★ formations ★★★ enseignants ★★★ accueil ★★★ locaux ★★★ gestion

DUAL DEGREE PROGRAMMES

In addition to a one-semester minimum of international experience, **EPF offers its students the option of dual degree programmes** in one of its partner universities. Students can study for a degree from the following universities:

- Germany – Hochschule Karlsruhe*
- Belgium – Université de Liège
- Canada – Université du Québec à Chicoutimi
- Canada – Université de Sherbrooke
- Spain – Universidad del Pais Vasco*
- United States – Georgia Institute of Technology
- Colombia – Universidad EIA*
- United Kingdom – Glyndwr University

Some of these agreements are reciprocal and allow students from the partner university to obtain the EPF degree qualification. Please contact the International Development Department for more information.

Career-oriented training and research at the heart of the EPF learning process

The courses offered by the EPF are specially designed to meet the requirements of the world of work, in France and abroad.

600+
partner companies in France and abroad, in large groups, SMEs and start-ups

PUTTING THEORY INTO PRACTICE WITH INTERNSHIPS

Lasting from 4 weeks to 6 months, internships are compulsory throughout the school's programmes of study, starting in the first year. Internships can also be carried out abroad.

Work experience End of Year 1	4 weeks between July and August	· Gain legitimacy through hands-on experience, · Confirm your choice of studies and career project, · Become aware of the workload required for an executive position, · Develop your understanding of the company and its environment, · Develop your skills to become a successful manager.
Civic engagement End of Year 2	4 weeks between July and August	· Encourage open-mindedness which forms part of the student's DNA, · Acquire a social and civic grassroots experience, · Develop an understanding of social issues.
"Student-engineer" internship Year 4	16 weeks minimum from September to December	This internship should broaden the student's industrial experience and knowledge of the company, including operating mechanisms, understanding of the various aspects of the engineering profession within the different sectors of activity and human relations.
Final year project (PFE) Year 5	24 weeks minimum from January onwards	· Develop a sound scientific level, rigour, a methodical approach, autonomy, critical thinking, initiative and team spirit, · Reach conclusions offering tangible results and development perspectives, · Understand the mechanisms involved in an engineer's approach and the way they operate within a company.

CASE STUDIES TO HELP YOU UNDERSTAND WHAT COMPANIES REALLY EXPECT

EPF is fortunate to have partner companies that offer students case studies on real-world issues they encounter in their day-to-day business. This prepares you for the world of work under virtually real-life conditions! During the Master's programme, teachers are brought in from industry.

CONFERENCES TO BROADEN YOUR KNOWLEDGE

Corporate partners and EPF graduate engineers share their professional experiences to help you discover the professions, fields and functions you can pursue during an engineering career.

TAKE PART IN STUDENT CHALLENGES

Innovation, Boldness, and Engagement are three values that our engineering students have the opportunity to demonstrate during physical or online competitions and hackathons organised by companies. EPF has partnerships with major groups such as Bouygues, offering our students challenges on issues they encounter on a daily basis.

A key example is the 24H *Innov'Handicap* Challenge, which allows students from the four campuses to work intensively and collaboratively for one day on innovative solutions to facilitate the day-to-day life of people with disabilities. You can also take part in challenges held by companies or regions, such as the Game of Brain challenge won this year by three students from the Master of Science Innovation, Creativity & Entrepreneurship.

RESEARCH AT THE HEART OF THE EPF APPROACH

Discovering research is also an integral part of the EPF curriculum.

Throughout your studies, you learn about the various careers available in the world of research, and in particular about the subjects studied at EPF.

You also have the opportunity to continue your studies at the end of Year 5 with a doctoral degree, thanks to EPF's partners.

A WORLDWIDE ALUMNI NETWORK

The EPF alumni network counts no less than 13,500 graduates in more than 44 countries around the world. They have created an association called «AEPF: Alumni EPF» to share their experiences and also to allow students to create contacts in the world of work and help them find industrial placements and jobs.

13,500
alumni in France and around the world

Experience an exciting year in France

A VIBRANT STUDENT LIFE

Meeting people, sharing experiences and being open-minded are key to a successful time spent studying abroad!

This is why EPF offers a vibrant and varied student life on its four campuses, notably thanks to the numerous student-run clubs and societies.

The school has some fifty student clubs and societies, each specialising in a specific field, such as sport, culture, entrepreneurship, humanitarian work, the arts, music, etc.

Throughout the year, all the clubs and societies organise various events to bring the campus to life and encourage students to get together.

An induction week is held at the beginning of the academic year to allow everyone to settle in and get to know the other students.

HELPING INTERNATIONAL STUDENTS SETTLE IN

15% of EPF students are international and are considered an integral part of the student community. Everything is done throughout the year to ensure that their experience in France goes as smoothly as possible. The school ensures that they have settled in well and helps with their administrative procedures.

The International Development Department is available to assist international students in finding accommodation and dealing with administrative procedures, as well as helping them throughout their time at EPF if they need help with their studies.

Two student societies exist to specifically support international students: ESN Paris-Cachan (Erasmus Student Network) and the Bureau de l'International (on the Montpellier campus), which is in charge of welcoming international students on campus, organising events to help them settle in and promoting international mobility.

Special events are organised at different times of the year to allow international students to practice the language and discover French culture.

Clémence TANGRE
President of the ESN Cachan Student Society

"It is important for us that international students settle in properly and meet French students. We plan to organise several events throughout the year, including a trip to Mont Saint Michel."

Applications

▸ EPF ENTRY REQUIREMENTS

Applications are welcome for EPF's general engineering programme from students with a **scientific background**.

Applications are welcome for the MSc ICE from students with a scientific background, but also from students with **a business or design background**.

▸ YOUR QUALIFICATIONS

The General Engineering programme is open to students with the **French baccalaureate** (or foreign equivalent).

The MSc ICE is open to students with an **undergraduate level qualification**.

▸ FRENCH LANGUAGE REQUIREMENTS

A minimum level of French (and English) is required to obtain the general engineering degree. It is therefore necessary to reach a B2 level in French at the time of the final examination panel (Year 5).

Depending on the year of admission, it is strongly recommended to have a minimum level of French at the time of application (level B1 CECRL).

At EPF, we know that it can be complicated arriving in a new country where everything is different! This is why our friendly staff are available to help you with any administrative procedures during your stay in France.

We are happy to answer your questions:
- Concerning studies and admissions Incoming.Students@epf.fr
- Concerning a partnership with a company or a university international@epf.fr

QUALIFICATIONS

FRENCH BACCALAUREATE OR EQUIVALENT

- **French language proficiency: fluent**
  Registration in Year 1 of the Engineering programme
  Admission subject to qualifications

- **French language proficiency: B1**
  Registration in Year 1 of the Engineering programme
  Admission subject to qualifications

ONE YEAR OF HIGHER EDUCATION STUDIES TO UNDERGRADUATE

- **French language proficiency: fluent**
  Registration in Year 2 or Year 3 of the Engineering programme
  Admission subject to qualifications

- **French language proficiency: B1**
  Registration in Year 1 of the Engineering programme
  Admission subject to qualifications

- **French language proficiency: from A2 to B1**
  Registration in Year 3 of the Engineering programme in English

FROM UNDERGRADUATE TO 5-YEAR POST-GRADUATE

- **French language proficiency: fluent**
  Registration in Year 4 of the Engineering programme in English
  Admission subject to qualifications

- **French language proficiency: B1**
  Registration in Year 4 of the Engineering programme

- **French language proficiency: from A2 to B1**
  Registration in Year 4 of the Engineering programme
  MEM (Major in Engineering Management or MDE (Major in Data Engineering)

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TROYES CAMPUS . 2 rue Fernand Sastre . 10430 Rosières-près-Troyes . FRANCE
MONTPELLIER CAMPUS . 21 bd. Berthelot . 34000 Montpellier . FRANCE
SAINT-NAZAIRE CAMPUS . 24 av. Léon Blum . 44600 Saint-Nazaire . FRANCE

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