

Embrace new horizons



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Taking tomorrow's world into your hands

Energy issues are at the core of current challenges facing our society and changes in the world. Growing demand in emerging countries, technological breakthroughs, environmental concerns and the need for sustainable development will all shape your future. As professionals, you will take up new challenges, break down borders and build tomorrow's world. At IFP School, we give you the tools to achieve this by pooling all the energy and resources underpinning your success.



Jean-Luc Karnik
Dean of IFP School

Embracing excellence

At IFP School, our graduate training programs have a unique vocational and industrial focus. These programs are an opportunity to interact with teachers and instructors from the corporate and research worlds, to learn from real professional experiences and to prepare you for your future responsibilities. We select talented, determined and motivated applicants who are open-minded and modest, as we know that careers are not only built on certainties.

Our programs' vocational slant is further supported by the close ties we enjoy with major French and international energy and transport companies. Our partnerships are unparalleled and companies are really involved in your development, taking a direct part in training and in financing your studies.

Embracing the world

We have tailored IFP School to prepare you for your professional career, but also want it to open onto all the opportunities the world has to offer. We imagine IFP School to be a concentrated version of the larger world where you can learn about its diversity and wealth. Half of our students are foreign and hail from over 50 countries. Daily life on campus is so cosmopolitan that it breathes a special energy into our teaching and your student life. Bilingual programs, stays abroad, developing intercultural skills, the School's international renown... We strive to help you become a 'citizen of the world', inquisitive, responsible and open-minded.

Embracing innovation

Our graduate programs change in line with technological breakthroughs and the innovations they bring about. IFP School brings together exceptional teachers and instructors, and top-level students. By sharing in our daily lives and learning from each other, your talent is drawn forth, harnessing diverse knowledge, skills and experiences. IFP School provides an unmatched learning environment and top-level resources and equipment. As an integral part of IFP, you have access to exceptional scientific and technical expertise. All these points contribute to our reputation and make each of our programs unique.

IFP School's founding values are excellence, open-mindedness and innovation. These values are just as important today as they are the source of our human and technical drive. They will become your own and will guide you in your future societal responsibilities, ensuring that, for you, anything is possible.





ASSETS

IFP School enjoys close partnerships with industry for its programs, resources (data, access to sites, etc.), student sponsorship and apprenticeships. The positive effects for each student are tangible, with a maximum number of recent graduates finding employment upon leaving the School. Students also have the opportunity to choose a specific profession, or even select an employer, while still studying, to experience professional fulfillment.

As an integral part of IFP, IFP School can provide students with a world-class scientific and technological environment in terms of expertise and experimental resources. IFP School is steadfastly international, 50% of its students being foreign. It has developed many international academic partnerships and offers satellite-degree programs in oil-producing countries. Students are therefore given, in addition to technical skills and expertise, the ability to progress in a multicultural environment.



My time at IFP School? First of all, an excellent souvenir of a highly motivated, international class. Secondly, an asset that stood me in good stead when I joined TOTAL: I was familiar with the techniques, I shared a common vocabulary - finally, I was already partly integrated. And today, as TOTAL E&P Senior Vice-President Human Resources and Communication, I still apply (and value) what I learnt at IFP School... 20 years ago!



Isabelle Gaildraud
TOTAL

A high level of industrial integration to embrace excellence

Partnerships with industry take many forms, in particular student sponsoring, teaching, the provision of resources or case studies.

Each year, over 50 companies from many different countries sponsor students, support them through apprenticeships (alternating periods in school/company) or grant professionals study leave to attend the School.

Graduate programs are coordinated by teachers who have considerable industrial experience.

In addition to the School's full-time teaching staff and IFP's research professors, 350 specialists from companies come and teach at the School each year. In this way, the School can provide applied training programs, giving students a broad knowledge of industry, in particular through the analysis of real practical situations. Thanks to real case studies, the use of industrial software, field trips and work carried out in teams, students develop a direct understanding of the obstacles and realities of industry.

FOR COMPANIES

- Immediately operational graduates
- Student support (sponsorship, apprenticeship)
- Talents selected by the School

FOR STUDENTS

- A very high employment rate
- Many industrial sponsorships
- A wide range of professions to start a career

An exceptional scientific environment to embrace innovation

IFP School is an integral part of IFP, a public-sector research and training center aimed at developing the technologies of the future in the fields of energy, transport and the environment.

It provides public players and industry with innovative solutions for a smooth transition to the energies and materials of tomorrow – more efficient, more economical, cleaner and sustainable.

This environment ensures:

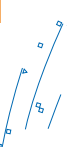
- relevant scientific teaching: over 100 IFP research engineers teach at the School,
- a cutting-edge environment thanks to high-quality technical resources available: IT, laboratories, test benches, pilot installations, etc.
- room for more than 165 doctoral researchers in our research laboratories.

FOR COMPANIES

- Effective and innovative professionals

FOR STUDENTS

- The acquisition of tools enabling them to meet societal challenges in industry (environment, sustainable development)



An international School to embrace the world

IFP School attracts talented students and professors from all over the world and fosters diversity as a source of wealth and development. This diversity, encompassing students' academic background, nationalities, the companies represented and professional experiences, is one of IFP School's major assets. Graduates go on to work in business sectors that are naturally international.

The School provides its students with intercultural understanding and professional, intellectual and geographic mobility, both keys to successful careers.

IFP School's international appeal is felt on the Rueil-Malmaison campus (France). The School boasts 50% foreign students from almost 50 countries and nine programs out of 18 are taught entirely in English.

The School enjoys industrial partnerships with many international companies offering grants for masters degrees. It also has close academic ties with many universities and schools in the USA, Norway, the UK and Russia, and in France, particularly for double degree programs.

As part of its dissemination policy that involves degree programs organized off-site, generally with a local academic partner and an industrial sponsor, the School has set up several programs, particularly in Algeria, Malaysia, Nigeria, Russia and Venezuela, with over one hundred graduates per year, mostly nationals in these partner countries.

FOR COMPANIES

- Expertise in a multicultural and international environment
- Graduates from many countries

FOR STUDENTS

- A qualification that is highly regarded internationally
- A vast network throughout the world



“ *The students are already professional.*

Annika Joellson
SCHLUMBERGER

”

50 companies

sponsor students or grant study leave to professionals, including:
Acergy, Air liquide, Arkema, Axens, Bosch, BP, Cepsa, Continental, Delphi, EDF, ExxonMobil, Foster Wheeler, GDF Suez, PDVSA, Perenco, Petrobras, PSA Peugeot Citroën, Renault, Saipem, Saudi Aramco, Schlumberger, Shell, Statoil, Technip, Total, Valeo EMS.





PROGRAMS

IFP School offers applied graduate programs for students from all over the world that meet the needs of industry and society in the fields of energy, oil, gas, petrochemicals and powertrains.

IFP School provides thorough vocational training, in line with industry, that includes environmental and ethical considerations. It prepares its students to become driving forces of the energy transition in coming decades by developing their skills thanks to IFP's innovation potential.

It trains competent, open-minded and responsible professionals who contribute to the development of companies and society, giving them the following qualities: a good sense of judgement, a critical mind, the ability to work in multicultural teams and an understanding of societal challenges.



In the field of engine design, the School ensures that its new graduates are fully operational, which is often crucial for their career development.



Jean-Jacques His
FERRARI

18 high-level programs



Degree programs

IFP School provides applied graduate programs, in French and English, to young engineers and industry professionals.

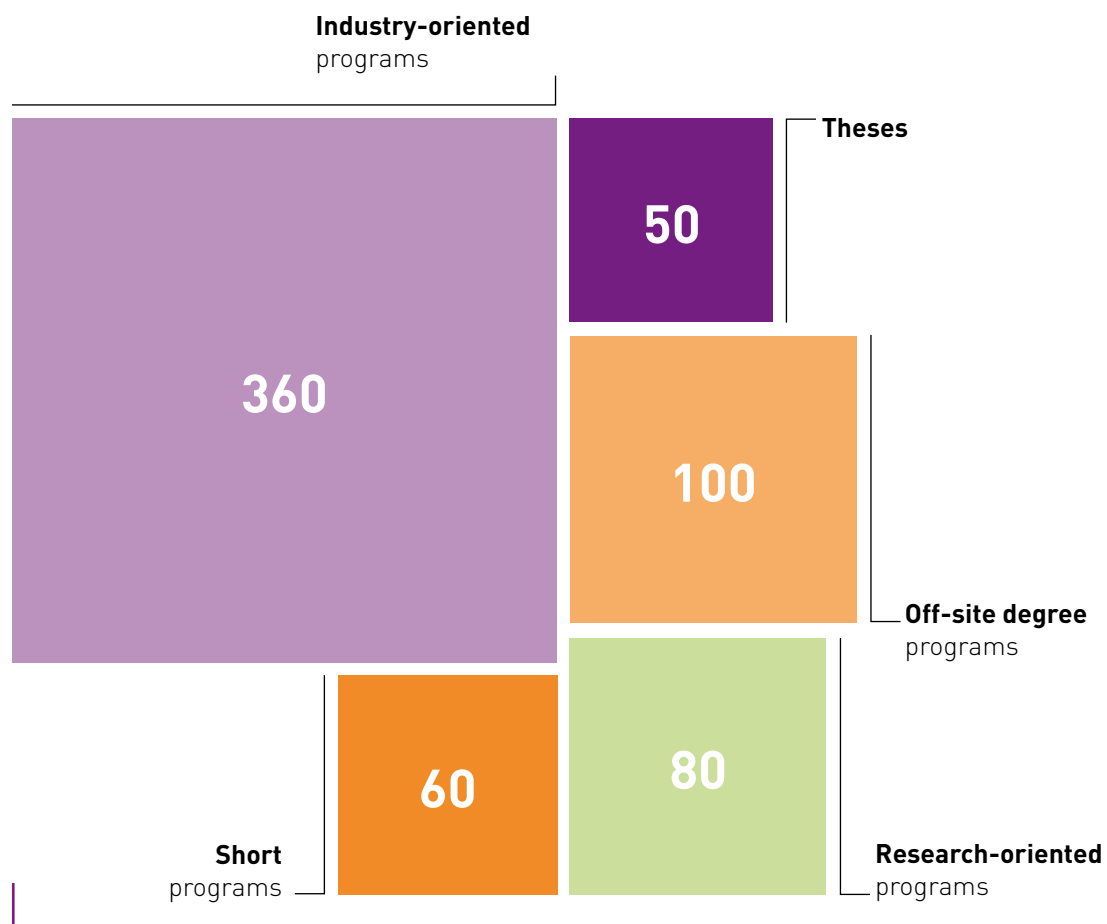
The School offers 18 high-level programs tailored to industry's and society's needs and leading to internationally-recognized degrees.

- **10 applied industry-oriented training programs** covering an entire field (exploration, oil and gas production, conversion processes, powertrains, economics). These programs have a standard duration of 16 months and lead to a national engineering degree or national masters degree. Over 80% of students are sponsored by a company.
- **3 one-year research-oriented programs**, in partnership with French graduate schools or universities, leading to a national masters degree (M2).
- **5 programs** mainly aimed at working professionals and tailored to the specific needs and objectives of a company. These programs last for up to one year and lead to a graduate diploma or a degree of advanced studies.

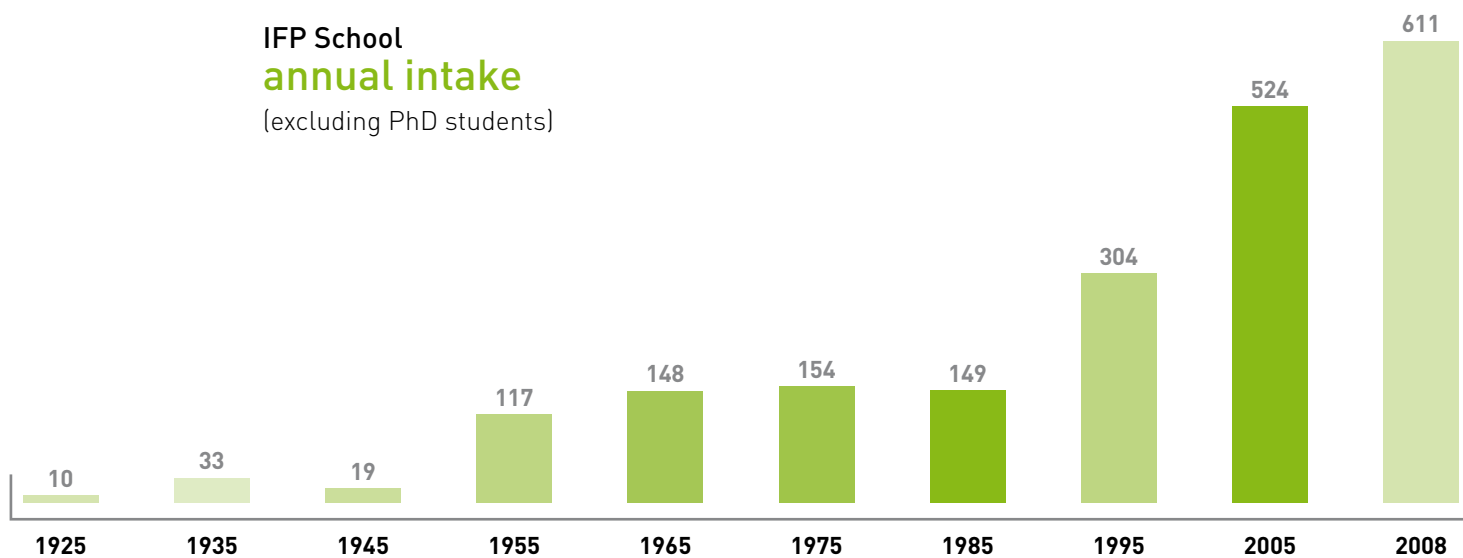
In addition, doctoral theses can be prepared in IFP's laboratories in all fields related to oil, gas, new energy technologies or engines.

As part of IFP School's off-site degree policy, programs are organized in several countries.

Student numbers per type of program



IFP School annual intake (excluding PhD students)





Industry-oriented programs

The 10 applied industry-oriented programs are open to recent graduates and professionals working in industry and lead to an engineering degree or national masters degree. Graduates from these programs are immediately operational and boast an innovative approach in fields such as exploration, oil and gas production, refining and processes, petrochemicals, powertrains, oil products or economics and energy markets.

Over 80% of students have an industrial sponsor for their studies. This support can take the form

of a sponsorship, apprenticeship or professional leave (for working professionals).

Five of these programs are taught in French and the other five in English. Eight out of ten programs can be attended as part of an apprenticeship. Apprenticeships are open to students under 26 years of age and are mainly aimed at European Union citizens. Students can attend classes while under an employment contract with a company and gain a real first professional experience, through time spent at school and at work.

The programs on offer at the Rueil-Malmaison campus are as follows:

Petroleum Geosciences	
Reservoir Geoscience and Engineering	
Petroleum Engineering and Project Development	
Energy and Processes	
Processes and Polymers	
Energy and Powertrains	
Powertrain Engineering	
Energy and Products	
Energy and Markets	
Petroleum Economics and Management	

Programs in English

Programs in French

Admission

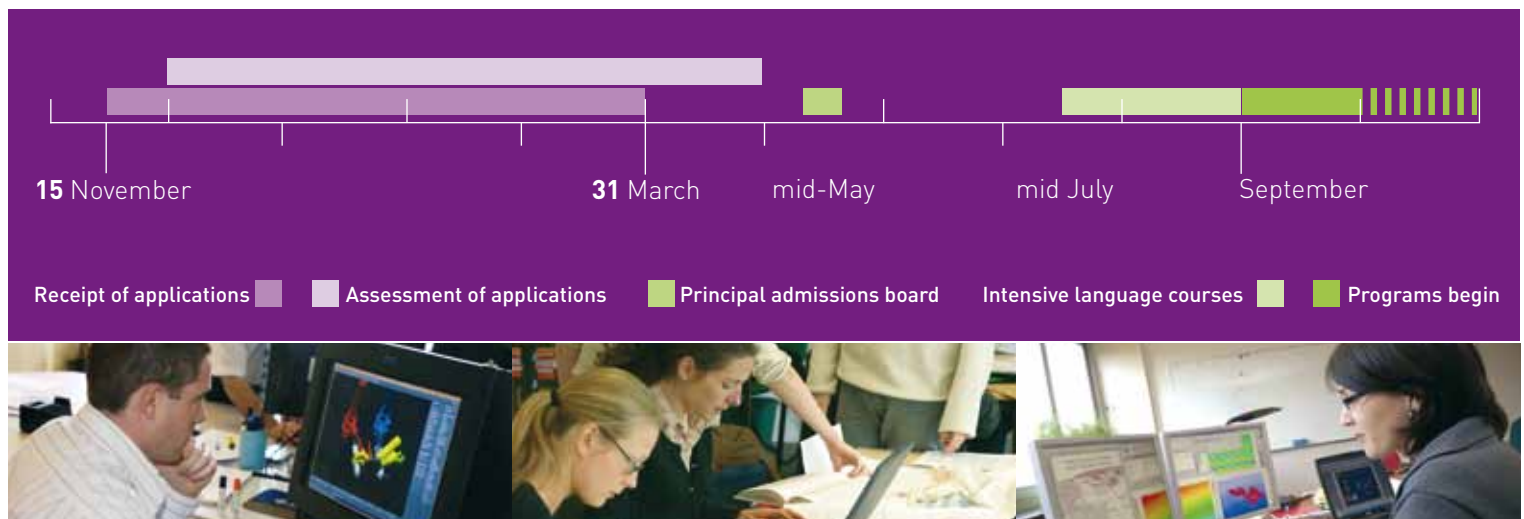
Applicants must have an engineering degree or equivalent, corresponding to four (American BSc for example) or five years of higher education (French engineering degree for example).

Applications must be submitted electronically via www.ifp-school.com from 15 November (year n-1) to 31 March (year n) for programs with classes starting in early September (year n).

We recommend that you submit your application as early as possible.

Applicants are selected on the basis of their application and a possible interview. The interview involves assessing the applicant's motivation, potential and personality.

The admissions board for each program meets mid-May. The next day, the results are available online on the School's website.



Funding

Almost all students are sponsored by a company or an institution that pays their living expenses during their studies and contributes to tuition fees.

This support comes in three main forms: sponsorships, apprenticeships and professional leave (the latter only for working professionals).

Other possible sources of funding are grants from ministries, foundations or other institutions, and scholarships awarded each year by IFP to some of the School's students.

Applications for admission into IFP School and for funding must be made at the same time. Securing funding can be a long process.

IFP School can help applicants with no professional experience and guide them to obtain funding (via sponsorship or apprenticeship), naturally after having assessed their applications. The School knows what profiles interest companies that are willing to fund students.

Tuition fees are required for professionals on leave from a company.



Research-oriented programs

Research masters

IFP School works with French graduate schools and universities for courses or specializations as part of the 2nd year of the research masters program. These one-year programs are taught in French. Classes generally begin at the end of September.

The programs on offer are as follows:

- **Lithosphere, basins, oil** course, geosciences specialization, in the Universe – environment – ecology research masters at *Université Paris 6 UPMC*
- **Catalysis and processes** specialization, in the Processes research masters, jointly accredited with the *École Centrale de Lille* and the *École de Chimie de Lille*
- **Sustainable development, environmental and energy economics** specialization, and **Energy and environment policy and economics** specialization, in the Environmental and energy economics masters jointly organized with *Université Paris 10 – Nanterre*.

These programs are open to applicants with a qualification corresponding to four years in higher education and to students in their fourth year of higher education.

Applications must be submitted to either IFP School or the partner university. Detailed information on the admission procedure for the various programs is available online at www.ifp-school.com.

Theses

Each year, IFP puts forward almost 55 new doctoral theses subjects in its research divisions or in partner laboratories. Applicants must have a masters degree (a minimum of five years of higher education) and are selected on the basis of their applications and interviews.

The available subjects can be viewed on the School's website as of January each year and theses generally begin in September.

Other programs

Other programs may be offered to professionals working in industry. These programs last for under one year and are generally made up of roughly four months of classes rounded off by a four-month industrial internship or professional thesis.

The following training programs are offered:

- Graduate Diploma, major in Petroleum Geosciences (organized in Pau, France)
- Graduate Diploma, major in Petroleum Engineering (organized in Pau, France)
- Degree of advanced studies, specialization Engines
- Degree of advanced studies, specialization Energy Management (executive program organized with BI-Oslo and ESCP-Europe)
- Executive Master Energy and Global Policies (organized with Sciences-Po Paris).

Each program has its specific admission conditions and schedule. Further information is available at www.ifp-school.com.

In addition, programs are conducted outside France as part of IFP School's dissemination policy, often through partnerships with a local university and an industrial sponsor (national company or international group). They are mainly aimed at nationals in that country. Such degree-programs exist in Algeria, Nigeria, Malaysia, Russia and Venezuela.



Continuing professional training

1,000 continuing training sessions for 15,000 professionals from 70 countries working in industry are organized each year by IFP Training, an IFP subsidiary. For further information, visit www.ifptraining.com.



Life at the School

IFP School is based in Reuil-Malmaison, 8 km west of Paris, on IFP's premises. It can be reached in 30 minutes from the center of Paris using public transport (RER A).



“ *I was made very welcome. I settled into life in France smoothly and without a hitch.*

Juan-Manuel
Colombian student

”

Welcome

The School offers students a variety of services to help them to settle in.

Accommodation and administrative formalities

Once accepted for admission, students are given assistance in finding accommodation close to the School. Students can either live in the IFP School residence, which has 121 studios and 11 two-roomed apartments, in another student halls of residence with which IFP School has an agreement or in privately-owned accommodation.

Once they arrive in France, foreign students are given additional logistical support by the School for administrative formalities such as signing up for medical insurance, obtaining a residence permit, opening a bank account, etc.



A residence with 121 single apartments and 11 two-roomed apartments



Languages

Intensive language courses are organized in the summer prior to the beginning of classes. French courses are mainly aimed at non-French speakers accepted on programs taught in French whose command of the language is insufficient at the time of admission. The duration of these courses varies according to the student's initial level and can last up to six weeks. In addition, one-month courses are offered to non-French speakers accepted on programs taught in English and who wish to learn basic French to settle in more easily.

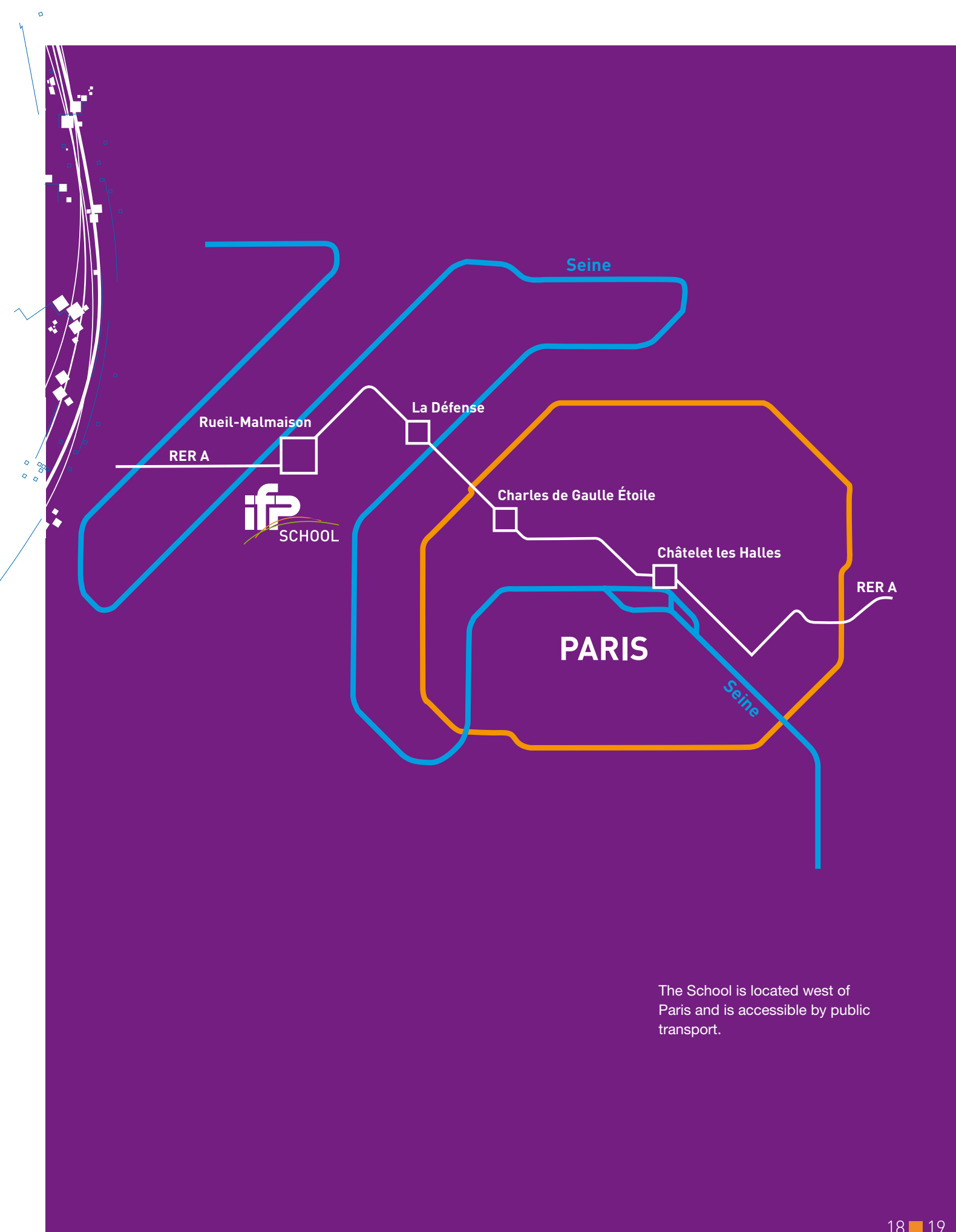
Advanced English courses are available for students accepted on programs taught in English and who need to perfect their language skills.



A multicultural **environment**

IFP School is an international school and strives to give students the ability to develop and interact in a multicultural environment. Over the academic year, foreign language classes (English, Spanish, German) are organized, as well as French initiation courses for foreign students on a program taught in English. In addition, students have access to a multimedia library. Communication and personal development training courses are also offered during the year.





The School is located west of Paris and is accessible by public transport.

KEY FACTS: THE SCHOOL IN A FEW FIGURES

- 18 programs (masters level), 9 of which are taught in English
- on the Rueil Malmaison site:
 - 500 graduates each year
 - 80% of students sponsored and funded by industry
 - 50% foreign students
- 99% employment rate upon graduating from the School and annual recruitment by over 80 companies in 50 countries
- around one hundred students in off-site degree-programs, as part of the dissemination policy
- 12,000 alumni working in over 100 countries
- over 1,000 theses defended in 50 years

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