CONTENTS

8 PSL 2020/21 degrees
10 Bachelor's degree programs
22 Master's degree programs
128 PSL PhD
133 Entrepreneurship programs
JOINING
UNIVERSITÉ PSL

PSL, A WORD-CLASS UNIVERSITY

By enrolling at PSL, you get access to an unparalleled scientific, artistic, literary and cultural education. PSL's high level course offerings span every field of knowledge in the Sciences, Humanities and Social Sciences, Engineering and the Arts.

A global university, rooted in interdisciplinarity, selective, committed to the promotion of equal opportunities, PSL creates the world of tomorrow.

TRAINING A NEW GENERATION OF TALENTS

From the Bachelor's degree to the PhD, PSL's courses are intended for students from all backgrounds who display high levels of potential, with the goal of equipping them to excel. Our 60 diploma share common principles:
• Research-based education at the University's 140 laboratories.
• Cross-disciplinary study from undergraduate level to graduate programs.
• Customized academic paths in which students can move freely from one component school to another.
• A teacher-student ratio that is among the lowest in France, and a graduation rate among the highest.
• A proactive policy of equal opportunity, to promote diverse pool of talents.
• Education for a generation of committed, responsible graduates entering a complex world.

More information
2020: LAUNCH OF PSL GRADUATE PROGRAMS

A turning point in the structuring of the Master – Doctorate curriculum

Following the model of graduate schools in the world’s top universities, the graduate programs are unprecedented curricula among higher education institutions in France. PSL’s graduate programs offer top-level training at Master’s and doctorate levels, based on the scientific resources of all component schools included in PSL.

From the start of 2020 academic year, each master’s or PhD student at PSL will join a graduate program.

Your training will be based on the most recent breakthrough made in PSL’s laboratories and those of our international partners. You will be able to design your career plan to work either in the research field (academic or industrial), private sector or entrepreneurship. Through our partnerships with the economic sector and top international universities, you will benefit from numerous opportunities for mobility and integration.

An international and customizable curriculum

Choice of major, optional minors, elective courses... From your 1st year of master’s, you will be able to customize your curriculum according to your future plans and preferences. To broaden your curriculum and improve your skills, you have access to elective and transdisciplinary courses.

You are offered English tracks, internships, international mobilities, inclusion in the PSL community of students and researchers... PSL’s graduate programs are a gateway to internationalization.

More information
PSL, A CAMPUS IN THE HEART OF PARIS

17,000 Students
2,900 Researchers
140 Laboratories

Top 50 Universities in the World
Top 5 Millennials Universities in the World

According to Shanghai, QS and THE rankings
• EDUCATION
PSL 2020/21 •

60 DEGREES

- Bachelor’s Degree Programs: 9
- Master’s Degree Programs: 48
- Entrepreneurship Programs: 2
- PSL PhD: 1
BACHELOR’S DEGREE PROGRAMS (9)
- Actor and actress diploma •
- Applied economics
- Organizational Computer science
- CPES multidisciplinary undergraduate program
- Applied Mathematics
- Law
- Management
- Sciences for a sustainable world • •
- Social sciences

MASTER’S DEGREE PROGRAMS (48)

Social sciences, Economics, Management
- Master’s degree in Accounting, control, auditing
- Master’s degree in Analysis and policy in economics *
- Master’s degree in Applied economics *
- Master’s degree in Control, auditing, financial reporting *
- Master’s degree in Economics and finance
- Master’s degree in Economic and social sciences
- Master’s degree in Fashion and materials *
- Master’s degree in Finance *
- Master’s degree in Health economics and management
- Master’s degree in Human resources and management
- Master’s degree in Innovation management
- Master’s degree in International affairs and development
- Master’s degree in IT, networks and digital technology *
- Master’s degree in Journalism
- Master’s degree in Law
- Master’s degree in Management and organizations *
- Master’s degree in Marketing and strategy
- Master’s degree in Public policy
- Master’s degree in Quantitative economics *
- Master’s degree in Social sciences
- Master’s degree in Transport, mobilities, networks
- Master’s degree in Wealth management
- Ecole normale supérieure – PSL graduate degree

Ecole normale supérieure – PSL graduate degree
- Chimie ParisTech – PSL engineering program
- ESPCI Paris – PSL engineering program
- MINES ParisTech – PSL Civil engineering program
- MINES ParisTech – PSL ISUPFERE engineering program
- Master’s degree in Biomedical engineering *
- Master’s degree in Chemistry *
- Master’s degree in Cognitives sciences *
- Master’s degree in Computer sciences
- Master’s degree in Earth and planetary science, environment
- Master’s degree in Energy *
- Master’s degree in Life sciences *
- Master’s degree in Materials sciences and engineering
- Master’s degree in Mathematics and applications
- Master’s degree in Nuclear energy *
- Master’s degree in Physics *
- Master’s degree in Space sciences and technology

Humanities, Arts
- Master’s degree in Archives
- Master’s degree in Art history and archeology
- Master’s degree in Asian studies
- Master’s degree in Civilizations, culture et societies
- Master’s degree in Digital Humanities
- Master’s degree in Humanities
- Master’s degree in Philosophy
- Master’s degree in Sciences of religion and society
- Ecole normale supérieure – PSL graduate degree
- Acting and directing • •

PSL PHD

ENTREPRENEURSHIP PROGRAMS (2)
- Student Entrepreneur degree at PSL-Pépite
- intrapreneurship and digital transformation program (CFEE)

Programs marked with a (*) offer at least 1 English track and include courses in French as a foreign language and French culture for students who are non-native French speakers.

• Degree : agreement with the CPES – PSL /
• • Degree : pending application
• Actor and actress diploma

• Mathematics and Computer Science
  Applied Mathematics | Organizational Computer Science

• CPES multidisciplinary undergraduate program

• Organization Sciences
  Applied Economics | Law | Management | Social science

• Sciences for a sustainable world
The three-year actor training program is notable for its high technical and artistic standards, its increasingly broad scope for free, independent study and its encouragement of creativity that is grounded in the realities of the changing world around us. The curriculum is designed to give students the tools to develop their practical, technical and theoretical knowledge and define their artistic personality.

MAIN ASSETS

— **Comprehensive, top-level artistic training** based on weekly courses grouped into four areas (interpretation, technical instruction, general and theatrical culture, preparation for a career in acting) coupled with a variety of projects (internships, master classes and workshops) led by teachers or guest artists.

— **Numerous partnerships** that allow for learning outside the university campus through immersion in an artistic or broadcasting organization.

— **An international perspective**, with partnerships that give second-year students the opportunity to spend three weeks abroad and take part in European theater festivals. The Conservatoire is a member of E:UTSA (Europe: Union of Theatre Schools and Academies), whose primary objectives are to foster artistic dialogue among acting students from different countries and support young creativity.

— **Les Rendez-Vous du Conservatoire**: These monthly events, free and occasionally open to the public, are designed to serve as forums for conversation and networking. They showcase a highly eclectic roster of guests and eschew artistic insularity.

— **Radio Conservatoire**: Students have the opportunity to view theater performances and offer their commentary afterward before an audience, in a program hosted by actor and journalist Arnaud Laporte.

— **PSL Week**, hosted each year by CNSAD-PSL and La Fémis. Over a five-day period, nearly 200 students take part in more than a dozen workshops designed to introduce them to new art forms (puppetry, animation, virtual reality, drawing, etc.). The workshops are conceived and led by teachers or guest artists.

CAREER OPPORTUNITIES

Every 2019 graduate of the actor’s training program found employment upon completing their education. Various career opportunities are available throughout the industry, including theater, film and television, to students who hold France’s professional acting degree (Diplôme National Supérieur Professionnel de Comédien(ne)).

The Conservatoire offers a variety of support resources, including the Jeune Théâtre National (JTN), a professional integration organization funded by the French Ministry of Culture that offers guidance and support for students for three years after they finish their education, and Rue du Conservatoire, the student and alumni organization.
## CURRICULUM

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
</tr>
</thead>
</table>
| • Weekly courses  
  Dance, Voice, Mask Acting, Clown Performance, Stage Combat, Acting in English, History of Theatrical Forms, Interpretation (second semester), etc.  
  • Short internships  
  • PSL Week  
  • Optional activities  
  Film techniques, exploration and Interpretation (second semester), etc.  |
| • Weekly courses  
  • Master classes  
  • Interpretation course  
  • PSL Week  
  • Optional courses  
  • International exchanges  |
| • Creativity workshops, led by guest artists, teachers at the school or students.  
  • Internship in entertainment law  
  • Internship in dubbing  
  • Internship in acting for radio  |

### LEARNING OUTCOMES

— The first year of the program is devoted to acquiring and reinforcing basic principles of acting. Students are taught the disciplines that are integral to the art of acting: reading, diction, interpretation of texts, interpretation for film, practice in warm-up methods, dance, singing, mask acting, clown performance, theoretical instruction, etc. Students will gradually combine these elements to build their persona as a person and as an emerging actor.

— The second year continues in the same vein as the previous year, providing a more in-depth grounding in basic principles while giving students the opportunity to experiment with various acting approaches and techniques. The weekly courses in dancing and singing and the theoretical courses are supplemented by master classes lasting one to three weeks, devoted to artistic research, aesthetics or a specific discipline. During the second semester, weekly courses are combined with a full 18 hours per week of interpretation classes, which culminate in the public performances given during the Journées de Juin.

Optional courses are offered for both first- and second-year students (film techniques, singing).

— The third year features short internships and is primarily focused on theatrical creation, during workshops led by guest artists or teachers at the school. These workshops are conducted over a period of time under the same conditions as a professional production. The workshops lead to public performances and may take place off campus and in many cases outside Paris, in partnership with a regional theater or festival. By becoming immersed in the activity of a creative or broadcasting organization, students come in contact with the various facets of a theater’s organization (technical and administrative matters, public relations).

### ADMISSION

**Prerequisites:** High school diploma and a year of intensive preparatory training in a recognized course of study.

**Admission process:** based on competitive entrance exam or validation of prior experience

### WHO SHOULD APPLY?

The actor training program is a highly selective undergraduate curriculum, committed to equal opportunity and a diverse pool of talent. The admissions committee is especially interested in the following qualities in an applicant: talent and intensity of vocation; quality of artistic and human commitment, the ability to evolve, particularly in a group setting; imagination and creativity; physical and vocal capabilities.

### DIPLOMA DELIVERED

Students who complete the three years of study receive the Diplôme National Supérieur Professionnel de Comédien (DNSPC). The DNSPC may be combined with a Bachelor’s degree conferred by Université PSL (CPES – Multidisciplinary Undergraduate degree).

### TEACHING LOCATION

CNSAD – PSL: 2 bis Rue du Conservatoire, 75009 Paris

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**More information**
cnsad.psl.eu/enseignements/formation-du-comedien-et-de-la-comedienne-1er-cycle/

**Contact**
Head of the program: Grégory GABRIEL, director of studies

**Université PSL**
psl.eu

@PSLuniv
@psl_univ
The Bachelor’s degrees in Mathematics and Computer Science at Dauphine – PSL comprise two years focused on mathematics followed by coursework in computer science and, to a lesser extent, in economics, finance, physics, etc. They include one year of core curriculum and two concentrations in the second and then third years. In the final year, the concentration in Applied Mathematics gives students an opportunity to learn skills that are highly sought-after in tertiary sector businesses and activities. The concentration in Organizational Computer Science provides a solid education in computer science, theoretical tools for the analysis of complex systems, and skills in the area of business administration. PSL’s Master’s degrees in Mathematics & Applications and Computer Science are natural next steps for graduates of these Bachelor’s programs.

**MAIN ASSETS**

— A program hosted by the Decision Science and Organizational Mathematics and Informatics (MIDO) Department at Dauphine–PSL, which encompasses the entirety of the mathematics and computer science offerings, both Bachelor’s and Master’s level, at Dauphine–PSL. This guarantees a solid scientific education in mathematics and computer science while also taking advantage of other programs at the university to offer courses in economics, finance, physics, communication, and foreign languages.

— Gradual specialization over three years allowing each student to focus more on Applied Mathematics or Computer Science for Business depending on their career choices.

— A curriculum that can be managed by high-level athletes, artists, and young entrepreneurs thanks to a special track called Dauphine-Talents, available for the first two years of the Bachelor’s degree. The program is identical to the traditional track in years 1 and 2, but spread across 3 years.

— An international outlook even in the Bachelor’s degree through student exchange programs that simultaneously enhance the diploma while fostering language aptitude and multicultural skills.

**LEARNING OUTCOMES**

Year one of the Bachelor’s degree in Mathematics and Computer Science offers a solid scientific education in mathematics and computer science alongside coursework in economics and language. Students can focus in one of two primary directions (mathematics or computer science), gradually specializing through different tracks. The first year is designed to provide basic knowledge in mathematics, computer science, and economics.

In the 2nd year, students choose between two tracks: Economic Mathematics and Computational Mathematics.

In the 3rd year, students continue into:

— A Bachelor’s degree in Applied Mathematics (Advanced Mathematics, Mathematics/Economics/Finance/Actuarial Science or Mathematics/Computer science)

— A Bachelor’s degree in Organizational Computer Science (Computer Science and Mathematics for Decision and Data track, or MIAGE / Computer Science for Business track)

— Another Dauphine–PSL Bachelor’s degree.
### INSTRUCTIONAL CONTENT

Classes are taught in small groups (class size of approximately 30) to best support learning. Students enjoy very close contact and supervision from faculty. Mentorship is provided throughout the year. Adaptation and Orientation workshops are held in November for all interested students.

### DIPLOMA DELIVERED

Institutional Bachelor’s degree conferred by Université PSL and prepared at Dauphine – PSL.

### CURRICULUM

<table>
<thead>
<tr>
<th>Bachelor’s Year 1 - L1/60 ECTS</th>
<th>Bachelor’s Year 2 - L2/60 ECTS</th>
<th>Bachelor’s Year 3 - L3/60 ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Learning fundamentals</strong></td>
<td><strong>Specialization</strong></td>
<td><strong>Specialization</strong></td>
</tr>
<tr>
<td><strong>Required courses</strong></td>
<td><strong>Required courses</strong></td>
<td><strong>Applied mathematics</strong></td>
</tr>
<tr>
<td>— Pre-entry: arithmetic</td>
<td>— Pre-entry: reasoning</td>
<td>— Mathematics/Economics/Finance/Actuarial Science (MEFA)</td>
</tr>
<tr>
<td>— Pre-entry: reasoning</td>
<td>— Athletics test</td>
<td>— Mathematics/Computer science</td>
</tr>
<tr>
<td>— Athletics test</td>
<td>— Digital workshop</td>
<td>— Advanced mathematics</td>
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<tr>
<td>— Analysis</td>
<td>— Analysis</td>
<td>— Mathematics/Physics</td>
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<tr>
<td>— Linear algebra</td>
<td>— Linear algebra</td>
<td>— Organizational Computer Science</td>
</tr>
<tr>
<td>— Algorithms and programming</td>
<td>— Probability</td>
<td>— Computer Science for Business (MIAGE)</td>
</tr>
<tr>
<td>— Introduction to probability</td>
<td>— Digital methods: matrix algebra and functions of a real variable</td>
<td>— Computer Science and Mathematics for Decision and Data (IM2D)</td>
</tr>
<tr>
<td><strong>Supplementary courses</strong></td>
<td><strong>Track courses</strong></td>
<td></td>
</tr>
<tr>
<td>— Introduction to microeconomics</td>
<td>— Economic Mathematics track</td>
<td></td>
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<tr>
<td>— Macroeconomics: long term analysis</td>
<td>— Algorithms and programming</td>
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<tr>
<td>— Informatics tools</td>
<td>— Macroeconomics: short term and medium term analysis</td>
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<tr>
<td>— English</td>
<td>— Microeconomics: general equilibrium theory</td>
<td></td>
</tr>
<tr>
<td>— Optional courses</td>
<td>— Introduction to finance</td>
<td></td>
</tr>
<tr>
<td>— Economic issues</td>
<td>— English</td>
<td></td>
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<tr>
<td>— Business organization</td>
<td>— Spanish</td>
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<tr>
<td>— Spanish</td>
<td>— German</td>
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<tr>
<td>— Athletics</td>
<td>— Athletics</td>
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<tr>
<td></td>
<td><strong>Optional courses</strong></td>
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</tr>
</tbody>
</table>

### ADMISSIONS

**Prerequisites for Year 1 (L1)**

— Baccalaureate diploma in any category (category S recommended) or equivalent for international students
— Solid foundation in mathematics
— Good general knowledge

**Selection process**

Application to be completed on the Parcoursup platform: parcoursup.fr

### TEACHING LOCATION

Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

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### More information

dauphine.psl.eu/formations/licences/l1-mathematiques-informatique

**Contacts**
mido@dauphine.fr

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### Université PSL

psl.eu

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Created by Université PSL and the Lycée Henri-IV, the Multidisciplinary undergraduate degree (CPES) is a selective and demanding first cycle in basic, human and social sciences to the level of the best international undergraduate programs. The aim of the CPES is to educate high-potential students who are both daring and creative, to become the decision-makers, researchers and entrepreneurs of the business, academic and cultural spheres of tomorrow. The program is therefore a real springboard to the best graduate degree in France and abroad.

**MAIN ASSETS**


— An unprecedented blending of the best of higher education, gathering a hundred of renowned teachers and scientists from PSL and the Lycée Henri-IV; professors of preparatory classes for France's top graduate Schools (Classes Préparatoires aux Grandes Ecoles), research professors and doctoral students.

— A customizable curriculum following the Anglo-Saxon model: interdisciplinary core curriculum, majors/minors, electives.

— A gradual specialization over three years: In the 1st Year student choose one of the following tracks (Sciences, Humanities or Economics /Social Sciences). Then in the 3rd year, they select a concentration among 11 disciplines.

— Varied teaching formats: small groups of students, practicums, conferences, seminars, group work, mentoring.

— An introduction to research from year 1.

— Development of cross-curriculum and soft skills.

— Cultural program and training in artistic performance.

**EDUCATIONAL PRINCIPLES OF THE CPES**

— **EXCELLENCE:** a unique scientific and cultural environment

— **INTERDISCIPLINARITY:** Innovative and modular courses, bringing together all fields of knowledge – Sciences, Human and Social Sciences, Arts – designed on a principle of progressive specialization.

— **INNOVATION:** a unique combation of the best of university education (autonomy, diversity of specializations, training through research) and preparatory classes for France's top graduate schools (intensity and quality of the courses, teaching support, groups).

— **DIVERSITY:** social, geographical, cultural openness and open-mindedness...the driving force for innovation and creativity

**CPES:** COMBINING THE BEST OF PREPARATORY CLASSES AND UNIVERSITY EDUCATION
GRADUAL SPECIALIZATION OVER THREE YEARS

Year 1
• Multidisciplinary core curriculum (CC)
  — Introduction to research
  — Cultural Program
  — Oral Expression
  — English
• 1 track among 3 to choose, from Year 1:
  — Humanities
  — Sciences
  — Economics / Social Sciences (SESJ)
Each track offers specific specializations
• Options

Year 2
• Multidisciplinary core curriculum (CC) of track chose in Year 1
• 2 majors to choose among the ones proposed in each track:
  — Humanities: history, Art (history & theory), philosophy
  — Sciences: mathematics, Experimental sciences
  — SESJ: economics, law, sociology and Political science
Combinations of majors between tracks are possible.

Year 3
• 1 specialization to choose among 11:
  — Humanities: history, Art (history & theory), philosophy
  — Sciences: maths-physics, maths-IT, maths-economics-finances-actuarial science, computer science, experimental sciences
  — SESJ: economics, law and public governance, social and Political Sciences

A gap year is possible between CPES 1 & CPES 2 or CPES 2 & CPES 3 (6 months to 1 year maximum)

LEARNING OUTCOMES
— Build one’s curriculum according to one’s ambitions and tastes.
— Understand and question the stakes of the contemporary world thanks to an interdisciplinary teaching.
— Take a part in the development of knowledge, in line with current research carried out at PSL.
— Develop key soft skills for future positions (public speaking, analysis of complex data, creativity, etc.).
— Commitment and culture, benefiting from a rich cultural offer

OPPORTUNITIES
The CPES is a recognized degree that bring opportunities worldwide.
At the end of the 3 years, and depending on the specialization that has been chosen, the program leads to the best master’s degrees in France and abroad: grandes écoles (degree-based admission) and selective top-ranked universities master’s degrees.
Examples: London School of Economics, MINES ParisTech - PSL, ENS - PSL, Dauphine – PSL, IPJ, ESPCI Paris -PSL, Supaéro, Sciences Po, UCL, Polytechnique, ENSAE, AgroParisTech, Paris School of Economics, etc.

ADMISSIONS
Prerequisites (1st year): high school diploma (delivered in France or abroad). Level C1 is required in French.
Selection process: based on academic record via the national website Parcoursup (parcoursup.fr), in the chapter Selective bachelor’s degrees ("Licences sélectives").
Please note: CPES managers also recruit in year 2 and 3, students who have already validated 1 or 2 year of studies in Higher education and for students who wish to change their curriculum. Admission based on academic record and interview.

DIPLOMA DELIVERED
Institutional Bachelor’s degree conferred by Université PSL.

TEACHING LOCATIONS
— Year 1: at Lycée Henri-IV (Paris 5e).
— Year 2 and 3: depending on tracks and specialization. Courses are given at the ENS (Paris 14e) and on the campuses of the institutions involved in the program.

More information
cpes.psl.eu
Contact
admissions-cpes@psl.eu

Université PSL
psl.eu
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® @psl_univ

Co-founder of CPES

A gap year is possible between CPES 1 & CPES 2 or CPES 2 & CPES 3 (6 months to 1 year maximum)
The Bachelor’s degrees in Organization Sciences at Dauphine – PSL are based on an innovative pedagogical approach tailored to the knowledge and skills of tomorrow. They provide a solid general education, with multidisciplinary coursework in the first two years covering Economics, Management, Social Science, Law, and Quantitative Disciplines. In the third year, students choose a concentration to reflect their career plan. These internationally-oriented Bachelor’s degrees offer many options for exchanges. At the end of the three years, students are invited to continue their studies with a PSL Master’s degree in Organization Sciences, which will open the door to a broad range of career options.

MAIN ASSETS

— An innovative pedagogical approach tailored to the knowledge and skills of tomorrow: Digital science, environmental transition, soft skills, professional training (internship, professional experience)

— A wide-ranging program from the first year of the Bachelor’s degree, with the option to complete a double degree in Law and Management and enhanced language offerings (English, Spanish, German)

— A curriculum that can be managed by high-level athletes, artists, and young entrepreneurs thanks to a special track called Dauphine-Talents, available for the first two years of the Bachelor’s degree. The program is identical to the traditional track in years 1 and 2, but spread across 3 years.

— An international outlook starting in the first year through student exchange programs that simultaneously enhance the degree while fostering language aptitude and multicultural skills. Indeed, this program is offered on the Dauphine campuses in Paris, London, and Madrid, as well as through a double degree program with Goethe University Frankfurt.

LEARNING OUTCOMES

— The 1st year consists of a general education in economics, management, law, social science, and quantitative disciplines (computer science, mathematics, and statistics).

— The 2nd year builds upon the first year, allowing students to consolidate and develop what they have learned in economics, management, law, social science, and quantitative disciplines (computer science, mathematics, and statistics).

— After two years of multidisciplinary studies, the 3rd year offers a choice of concentrations allowing students to acquire knowledge more specific to management and study its main components in greater depth. At the end of this final year, they earn a Bachelor’s degree in Management, Applied Economics, Social Science, or Law (subject to having studied law in the 1st year).

Throughout the 3 years, there is a particular emphasis on issues related to the environmental transition and the digital sciences.
INSTRUCTIONAL CONTENT

All classes are taught in small groups to best support learning. Students enjoy very close contact and supervision from faculty. Mentoring is provided throughout the year. Adaptation and Orientation workshops are held in November for all interested students.

ADMISSIONS

Prerequisites for Year 1
— Baccalaureate diploma in any category (category S or ES recommended) or equivalent for international students.
— Strong academic background, both in mathematics and general knowledge, good writing and speaking skills, ability to synthesize information; enjoys analyzing relatively complex situations
— Specific requirements based on campus:
  • London campus: very strong international academic background. An official language test result is required to apply.
  • Madrid campus: very good English skills (applicants must submit: TOEFL, IELTS, Cambridge). Very Requires a solid mastery of Spanish (DELE level B2 or education in a Spanish-speaking region or section or certification of B2 level by a Spanish teacher during the student’s final year of studies. Language certification and supporting documents are subject to approval of the applicant selection committee).
  • Double Bachelor’s degree in Frankfurt: applicants demonstrating a very high level of German and English.

Selection process
Bachelor’s year 1 (L1): The application should be submitted online using the French undergraduate application system Parcoursup parcoursup.fr
Bachelor’s year 3 (L3): The application should be submitted online using the MyCandidature application platform: candidatures.dauphine.fr

DIPLOMA DELIVERED
Institutional Bachelor’s degree conferred by Université PSL and prepared at Dauphine – PSL.

TEACHING LOCATION
Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

More information
dauphine.psl.eu/formations/licences/l1-sciences-des-organisations

Contacts
accueil.lso@dauphine.fr

Université PSL
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Using science to train a new generation of players in the sustainable development.

Our development model is facing the physical limits of the planet and our society no longer meets the basic needs of the poorest, nor those of future generations. There is now an urgent need to go beyond the stage of diagnosis or ad hoc solutions to build another model that meets these new challenges: energy transition, reduction of inequalities, conservation of biodiversity, world hunger, etc.

We need to train a new generation of decision-makers who will be able to grasp the challenges of sustainable development in all their complexity on a global scale. With its 4,500 teacher-researchers (30% of whom are involved in topics related to sustainable development), Université PSL is launching an interdisciplinary bachelor’s degree, the first of its kind in France, intented to tackle these issues.

**MAIN ASSETS**

- **Academic excellence**: high level courses covering every area of study and involving PSL Schools.
- **Commitment**: a unique curriculum that is fully committed to equal opportunity and attracts a diverse student body from complementary backgrounds within each academic class (with need-based scholarships available).
- **International study environment**: an increasing share of the teaching given in English over the three-year program and international mobility abroad possible.
- **An unparalleled campus life in the very heart of Paris**: benefiting from the opportunities available at Université PSL to meet students from several institutions and move among a variety of campuses.

**LEARNING OUTCOMES**

- Understanding the complexity of interactions between humans and natural systems
- Measuring and analyzing the impact of actions
- Promoting sustainable development

**INSTRUCTIONAL CONTENT**

- **A demanding pluridisciplinary curriculum** to train the best scientific minds to the energy and social transition challenges.
- **Scientific teaching based on current PSL research** and organized around 4 main topics: biology, diversity and environment; energy and resources; governance of transitions; inequalities and migrations.
- **Innovative project-based learning** combining practical team cases (proposed by charitable organizations, startup or public or private organizations) et stages.
- **An annual cycle of conferences** by researchers and actors involved in sustainable development issues (social innovation, industrial ecology, smart cities, ethic and artificial intelligence etc.).
- **Development of professional know-how for tomorrow’s jobs** (project management, argumentation, negotiation, linguistic and cultural skills, programming, etc.) and soft skills (creativity, adaptability, community-mindedness, motivation, communication, reasoning, etc).
- **Student participation in projects connected with sustainability challenges** in the form of mandatory projects or internships.
**OPPORTUNITIES**

This program, basis of PSL’s undergraduate studies, is designed to be the foundation for further study to at least the Master’s level in:
— Top-ranked universities (Life science, Applied economics, Energy, Materials science and Engineering, Public policies, etc.)
— "Grandes Ecoles" (based on application) According to their future plans, students can pursue a wide variety of careers (engineers, economists, entrepreneurs, etc.) in the private sector, administration, NGOs, civil society, or research.

"To develop sustainable responses to global challenges, we have to use a transdisciplinary approach"
Jasha Oosterbaan, Environmental Management, ISIGE / MINES ParisTech – PSL

"This new degree takes up the challenge of overcoming the traditional divide between the Natural Sciences and the Humanities and Social Sciences in order to respond to contemporary issues."
Florence Weber, anthropologist, ENS – PSL

"We want to train experts who are aware of their responsibility, capable of anticipating the consequences and measuring the impact of their actions."
Alexis Tsoukias, informaticien, responsable du Master Peace Studies de Dauphine – PSL

"The major ambition of this degree is to train students who are curious, open-minded and have a strong scientific background"
Thomas Thiebault, geochemist, EPHE – PSL

**ADMISSIONS (YEAR 1)**

Based on application and interview:
1 – Application online on Parcoursup
2 – Interview of eligible candidates

Prerequisites
— a general high school diploma: baccalauréat diploma (obtained in France or abroad) or another diploma obtained abroad that is recognized as equivalent to the baccalauréat
— English (B2 Level) and French (C1 Level) required

Who should apply?
— Interest in every aspect of sustainable development issues (economic, social, cultural, environmental) and significant underlying topics (energy transition, inclusion, etc.).
— Passion for cross-disciplinary disciplines
— Strong interest in science
— An inclination toward reflection (analysis) as well as action (entrepreneurialism)
— The desire and ability to work as part of a team, interpersonal skills.
— A critical mindset along with reasoning skills and the ability to express yourself (orally and in writing).
— Involvement in clubs or charitable organizations outside your school (voluntary work, sports, etc.)

Selection criteria
Academic performance, level of commitment and motivation. Admission process will give priority to diverse backgrounds and curricula, in line with PSL's policy to equal opportunity.

**Tuition fees** in accordance with bachelor’s national fees (approx. 170 €/year). Exemptions for scholarship students.

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**More information**
psl.eu/en/education/psl-bachelors-degree-sustainability-sciences

**Contact**
admissions-spi@psl.eu
SOCIAL SCIENCES, ECONOMICS, MANAGEMENT
- Master’s degree in Accounting, control, auditing
- Master’s degree in Analysis and policy in economics
- Master’s degree in Applied economics *
- Master’s degree in Control, auditing, financial reporting *
- Master’s degree in Economics and finance
- Master’s degree in Economic and social sciences
- Master’s degree in Fashion and materials *
- Master’s degree in Finance *
- Master’s degree in Health economics and management
- Master’s degree in Human resources and management
- Master’s degree in Innovation management
- Master’s degree in International affairs and development
- Master’s degree in IT, networks and digital technology *
- Master’s degree in Journalism
- Master’s degree in Law
- Master’s degree in Management and organizations *
- Master’s degree in Marketing and strategy
- Master’s degree in Public policy
- Master’s degree in Quantitative economics *
- Master’s degree in Social sciences
- Master’s degree in Transport, mobilities, networks
- Master’s degree in Wealth management
- Ecole normale supérieure – PSL graduate degree

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HUMANITIES, ARTS
- Master’s degree in Archives
- Master’s degree in Art history and archeology
- Master’s degree in Asian studies
- Master’s degree in Civilizations, culture et societies
- Master’s degree in Digital Humanite
- Master’s degree in Humanities
- Master’s degree in Philosophy
- Master’s degree in Sciences of religion and society
- Ecole normale supérieure – PSL graduate degree
- Acting and directing

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SCIENCES AND ENGINEERING
- Ecole normale supérieure – PSL graduate degree
- Chimie ParisTech – PSL engineering program
- ESPCI Paris – PSL engineering program
- MINES ParisTech – PSL Civil engineering program
- MINES ParisTech – PSL ISUPFERE engineering program
- Master’s degree in Biomedical engineering
- Master’s degree in Chemistry
- Master’s degree in Cognitives sciences
- Master’s degree in Computer sciences
- Master’s degree in Earth and planetary science, environment
- Master’s degree in Energy
- Master’s degree in Life sciences
- Master’s degree in Materials sciences and engineering
- Master’s degree in Mathematics and applications
- Master’s degree in Nuclear energy
- Master’s degree in Physics
- Master’s degree in Space sciences and technology
SOCIAL SCIENCE, ECONOMICS, MANAGEMENT
The Accounting, Control, Auditing Master's degree program at Dauphine – PSL features extensive interaction with the auditing, consulting and accounting profession. It is designed to show students that the accounting and financial disciplines, which have primarily technical underpinnings, require the ability to conceptualize. Part of PSL’s graduate program in Management, the curriculum is also intended to help students expand their areas of expertise so as to promote a comprehensive understanding of the various disciplines. This Master's degree program is targeted to future professionals in the fields of auditing, accounting, finance, consulting and management control.

**MAIN ASSETS**

- Equivalence to France's DSCG degree (Diplôme Supérieur de Comptabilité et de Gestion).
- A very active professional organization at Dauphine: DEFI CCA.
- Professionalization: the program is available as full-time study (with an optional gap year), executive education or work-study training.
- Member of the national network of Master’s degree programs in Accounting, Control, Auditing.
- Partner firms: PwC, KPMG, Deloitte, Mazars, Ernst & Young, Accenture.
- An international outlook.

**LEARNING OUTCOMES**

- A knowledge base in the fields of accounting, finance, auditing, management control, accounting information systems and organizational management.
- An understanding of the challenges and changes facing organizations and the business world.
- A thorough mastery of the technical tools and skills required to embark on a career in accounting, auditing, finance and organizational consulting.

**OPPORTUNITIES**

Internal or external auditor; careers in accounting and statutory auditing; consulting in mergers and acquisitions; in-house counsel; positions in corporate accounting and finance divisions; risk manager; management controller.

**Note:** Students in the Accounting, Control, Auditing Master’s program are entitled to forgo nationally administered public accounting exams and are exempted from meeting statutory auditor certification requirements. The program provides maximum equivalence to France’s DSCG degree program (five out of seven courses). Students also have the opportunity to begin an internship in public accounting upon obtaining their Master’s degree.
# Instructional Content (M1)

- **Required courses in first semester (initial training):**
  - Consolidation and IFRS, Tax Law, Corporate Law, English, Professionalization, Corporate Finance, External Audit, IS Management, General Policy and Strategy, Bankruptcy Law.

- **Required courses in second semester:**

**Targeted skills**

- Conceptualization, adaptability, strong writing and speaking skills in French and English, autonomy, mastery of information and communications technology.

# International Outlook

**Available options**

- Students may go abroad for a gap year or end-of-studies internship.
- Some courses are taught in English.
- Students can take the TOEIC as part of their English course.
- Work-study training can include a study trip.

# Admissions

**Prerequisites Master's year 1**

Bachelor's degree (180 ECTS credits) or the equivalent in the fields of general and financial accounting, management accounting or finance.

**Selection process**

Based on an application and interview. The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

# Diploma Delivered

National Master's degree conferred by Université PSL and prepared at Dauphine – PSL.

# Teaching Location

Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

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**More information**
dauphine.psl.eu/en/training/masters-degrees/accounting-control-and-auditing

**Contact**

Head of the master’s program: Karine FABRE (M1) & Bruno OXIBAR (M2)
The Analysis and Policy in Economics (APE) Master’s program offers research training in theoretical and applied economics. Taught entirely in English, this Master is co-accredited by the ENS – PSL, EHESS, the Ecole des Ponts ParisTech and the University of Paris 1 Panthéon-Sorbonne, and is certified by the Paris School of Economics. The APE Master’s program has an experience of more than 35 years in providing top education in quantitative economics; it is one of the most famous Master’s program in economics in Europe and most of the famous French researchers in economics today have graduated from this program. The program provides training to research and relies on a learning-by-research approach; it is supposed to lead to doctoral studies but a significant part of the classes directly enter the labor market after graduating.

**MAIN ASSETS**

— Unprecedented collaboration between some of the most prestigious schools in France in the field of quantitative economics and applied mathematics.
— Immersion in an advanced research environment, working closely with a major laboratory and scientific innovation.
— Strong links to the socio-economic world.
— International openness and experience: 30% of APE graduates who enter the labor market and 40% of those who go on to further study, leave for another country
— Quality and diversity of teaching: more than 80 teacher-researchers are involved in the program, chiefly members of PSE, with strong international experience
— Excellent employment record of the Masters graduates: more than 95% of graduates who enter the labor market are employed within three months of receiving their degrees – and a majority of these are hired even before the end of the academic year
— Localization at the very lively and cultural heart of Paris.

**LEARNING OUTCOMES**

The purpose of the APE Master’s program is to provide high-quality research training in all the fields of theoretical and quantitative economics to selected students with a strong background in quantitative analysis and methods.

The program offers the most advanced treatment of fundamentals in economics and econometrics, and more advanced courses bring students to the forefront of current research in all fields of economics. The ultimate objective is the master dissertation that must provide an innovative and original contribution to the field and therefore constitutes a first research experience at the most demanding level.

**TEACHING LOCATIONS**

Almost all teaching takes place in the center of Paris, at Paris School of Economics, 48 Boulevard Jourdan, 75014 Paris.
### Master 1 (60 ECTS)

1 single track proposed:  
Analysis and Policy in Economics

10 mandatory fundamental courses:  
- Microeconomics 1–2, Econometrics 1–2–3,  

1 of 6 elective courses in a specific field of economics

1 seminar in social sciences, taken in another department of one of the partner establishments

### Master 2 (60 ECTS)

1 single track proposed (cf Master 1)

4 core courses to choose among 21 in all major fields of economics

Research workgroup, to learn how to do research and start one’s research project

5 specialization courses to choose among 32

1 professional training seminar

Master thesis

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### M1 AND M2 OVERVIEW

The M1 year aims to reinforce fundamental knowledge and basic methodological tools in microeconomics (a sequence of two courses, plus a course in games theory), econometrics (a sequence of three courses), macroeconomics (two courses, plus a course in international economics), and in economic history.

The aim of the second year (M2) is to lead students to their first experience of a successful research project. It is centered around a wide choice of advanced courses designed to allow students to acquire specialized knowledge in different domains of current economics research. In the first semester, they choose four core courses from among 21 courses of 36 hours (each is worth 6 ECTS), and in the second semester, they select six from a range of 30 18-hour courses (each is worth 3 ECTS). At the same time, training in research processes takes place throughout the year. This consists in participation in a work-in-progress seminar, where students present their first steps in the development of their research projects. This is followed by the conduct of the research itself under the direction of a thesis supervisor, and the writing of a thesis of the original work.

### CAREER OPPORTUNITIES

— Around two thirds of graduates choose to pursue further studies when they finish their APE Masters – about 65% of them in doctoral programs mainly in France including PSE, Sciences Po, Dauphine, HEC... and the rest in institutions including Harvard, Oxford, Bocconi, Columbia, UCLA, Princeton, LSE and Yale.

— Among those who decide to enter the labor market, one graduate in three goes overseas and in total, half join the private sector (including AXA, Deloitte, McKinsey, Société Générale, Google), and next, the public and semi-public sector (e.g. Banque de France, INSEE, Trésor), and finally international organizations (World Bank, the IMF, the ECB). More than 85% of APE Masters (2013–17) are hired within 8 months of having received their degree – a majority even before the end of the academic year.

### ADMISSION

Prerequisites

**Master 1**: the APE Master’s program is open to all students, French and foreign, who hold a bachelor degree or the equivalent, especially in Economics or Mathematics applied to social sciences.

**Master 2**: M1 or equivalent, especially in the majors listed above. Applicants must have an advanced command of the English language as well as of quantitative methods.

**Application process**

Online application (via pse-application.eu)
**LEARNING OUTCOMES**

The program combines classes with a traditional lecture format introducing students to methodological and conceptual frameworks of policy evaluation, individual and team projects (especially in the first year) and classes emphasizing policy applications over pure theory (concentrated in the second year). Most policy areas are covered following a thematic approach.

**CAREER OPPORTUNITIES**

— 45% of graduates are continuing their studies at the end of the PPD Master’s degree – about 75% of them in doctoral programs.

— Among those who decide to start working, career opportunities are varied: positions in national administrations, international organizations (European Union, OECD, UN agencies, etc.), development agencies (World Bank, AFD, etc.), academic institutions (J-PAL, IPA, Crime Lab, etc.), non-governmental organizations and private companies.

**MAIN ASSETS**

— Unprecedented collaboration between some of the most prestigious schools in France in the field of economics. The Paris School of Economics unique academic environment.

— International openness: all compulsory courses and most optional courses are offered in English and half of students are coming from foreign countries, developed and developing alike.

— Strong links with French and international institutions such as the Treasury, the OECD, J-PAL or the CEPREMAP, allowing students to attend conferences with renowned academics, experts and influential policy-makers.

— Excellent access to the labor market: more than 95% of students who choose to enter the labor market are employed within three months after their graduation, most of them are hired even before the end of the academic year.

— Localization at the very lively and cultural heart of Paris.
**M1 AND M2 OVERVIEW**

The M1 has a strong component of general microeconomics, macroeconomics and quantitative methods: all courses are specifically designed to prepare students for the economic analysis of policy issues. It also proposes introductory courses to policy design and evaluation in major fields, complemented with conferences on a variety of policy issues.

The second-year offers in-depth and applied courses covering the most important policy issues at both national and global levels and the state of the art best practices of policy evaluation. Apart from three compulsory courses on general issues, the curriculum is individualized. Each student is assisted over the year by a thesis supervisor.

**Compulsory internship period** between the two academic years.

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**ADMISSION**

**Prerequisites**

**Master 1**: Bachelor’s degree in economics, mathematics or social sciences. A solid level in mathematics and some training in economics is required.

**Master 2**: M1 or equivalent that provided an identical level of preparation as Year 1 of the PPD Program (microeconomics, macroeconomics, econometrics and public policy evaluation).

**Application process**

Online application (via pse-application.eu).

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**DIPLOMA DELIVERED**

National Master’s degree conferred by Université PSL and prepared at ENS – PSL.

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**More information**


**Contact**

master-ppd@psemail.eu
The Master’s degree program in Control, Auditing, Financial Reporting at Dauphine – PSL provides comprehensive training in the fields of financial auditing, management control, internal audit and control, financial control, corporate financial consulting and organizational consulting. Part of PSL’s graduate program in Management, this world-class education is designed for curious, internationally minded students who are looking for a curriculum that offers strong ties to the business and professional worlds, as preparation to tackle the major challenges of the future and the changes transforming their industry.

MAIN ASSETS

— Project-based instruction that is innovative and motivating.
— Study that can be tailored to students’ professional lives: courses can be taken on a work-study basis (apprenticeships or professional training contract) or as full-time study in the first year of the program with a gap year recommended.
— A firmly international outlook, including multiple partnerships with businesses and universities outside France that offer a host of opportunities for internships and exchange programs around the world. The Internal Audit & Risk Management academic track is taught in partnership with the Saint Petersburg State University of Economics in Russia and leads to a dual degree.
— A Master’s degree program on a human scale, including one-on-one faculty advising as well as mentoring in both years of the curriculum (by second-year students during the first year and by recent alumni during the second year).
— Comprehensive training that combines techniques and soft skills for developing open-minded thinking, analytical skills and reflexivity.
— An extensive environment of partners (audit firms, banks, I&E clubs), backed by close ties with the MOST (Markets/Organizations/Societies/Technologies) research team at the Dauphine Center for Management Research (DRM).

LEARNING OUTCOMES

— Career training in auditing, management control, financial control, corporate financial consulting and organizational consulting.
— Professional experience during the educational process that will lead to immediate employment in key positions.
— Opportunities for an international career.

OPPORTUNITIES

Auditor; management consultant; risk consultant; financial controller.

English track
### Master's Year 1 (M1; 60 ECTS)

One academic track in M1

— Control, Auditing, Financial Reporting

After an initial year followed by an optional gap year, students may concentrate in one of four areas.

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### Master's Year 2 (M2; 60 ECTS)

Students choose one of four concentrations in M2

— Consulting and Research in Audit and Control
— Control, Governance and Strategies
— Financial Control – Management
— Internal Audit and Risk Management

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### Targeted Skills (M1)

The first year of the Master's degree program is designed to train students in technical skills for accounting careers as well as emerging skills connected with big data and the digital economy, with the aim of developing future professionals who specialize in accounting, management control, financial control and internal and external audit in an environment of extensive career opportunities.

The core curriculum consists of both basic and optional courses. It is designed to allow students to build their own customized academic path.

The first year of the program also allows students to develop a wide array of soft skills (teamwork, listening skills, empathy, self-knowledge, interpersonal relations) as well as reflexivity regarding practices for objectively examining the data they produce.

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### Admission

**Prerequisites Master 1**

Bachelor's degree (180 ECTS credits) in management or economic management.

**Selection process**

Based on application for full-time study; based on application and interview for work-study enrollment. The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

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### Diploma Delivered

Institutional Master's degree conferred by Université PSL and prepared at Dauphine – PSL.

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### Teaching Location

Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

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**More information**

**Contact**

Head of the master's program: Gwenaëlle NOGATCHEWSKY, University Professor, Dauphine – PSL
The Master’s degree program in Economics and Finance at Dauphine – PSL produces experts with a comprehensive knowledge of financial macroeconomics and environmental economics. The program – part of the PSL graduate program in Economics – offers students a core curriculum that provides vital information for understanding the economic environment. It also includes specific courses on the financial and business sectors while providing students with appropriate analytical tools.

**MAIN ASSETS**

- **A world-class education** in the banking, finance and insurance sectors as well as industry, particularly the energy and environment industries.

- **Access to a network of top-tier partners:** businesses (Amundi, EDF, Engie, Total) as well as Chairs in natural gas economics, the European electricity market, climate economics and more.

- **An internationally-minded curriculum with opportunities for academic exchanges** (lasting a semester or full year) within the QTEM (Quantitative Techniques for Economics and Management) Masters Network and at partner universities as part of a dual degree: Bocconi University in Milan, Ca’Foscar University of Venice and Goethe University Frankfurt.

- **A program open to second-year undergraduates** in the banking, finance and insurance (BFA) program.

- **A career-minded environment** that includes a required internship in France or abroad upon completion of the first year and an optional gap year between the first and second years of the Master’s degree program.

**LEARNING OUTCOMES**

- Top-level executives trained for careers in the finance and energy sectors.

- Quantitative experts with a solid grasp of financial and environmental macroeconomics that allows them to keep pace with future developments in those sectors.

- Opportunities for international careers.

**CAREER OPPORTUNITIES**

Financial analyst, economic analyst, quantitative analyst, financial engineer, debt management consultant.
### CURRICULUM

**Master's Year 1 (M1; 60 ECTS)**

**Banking, Finance, Insurance (BFA)**
- First year of the Master's degree program

**Economics and Finance**
- Students may specialize in one of two areas in the second semester. After an initial year followed by an optional gap year, students may concentrate in one of three areas.
  - Energy, Finance and Carbon
  - Economic and Financial Engineering
  - International program
    - (Ca'Foscari University of Venice and Goethe University Frankfurt)

**INSTRUCTIONAL CONTENT**

- **Training in the Banking Finance Insurance Master's degree** over a three-year period (from the Bachelor's degree to the second year of the Master's degree), in which students choose their concentration over time. In the first year of the Master's program, all students follow a core curriculum and take the same classes. Students choose a concentration in Market Finance or Business Finance during the final year of the Master's degree. Theoretical coursework becomes increasingly career-minded: students conduct a variety of projects in M2 with partner companies. Students may conduct an exchange semester or acquire a dual degree abroad.

- **The first year of the Economics and Finance Master’s degree** is built around a core curriculum geared toward acquiring a basic knowledge of economics and finance and learning writing skills for drafting a thesis. Students choose a specialization in their first year (Market Finance or Business Finance) and begin to concentrate on their chosen field. Available through an apprenticeship, full-time study or executive education, the Master's degree offers students the ability to gain a foothold in the professional world, including the world of research, through optional and required internships and projects to be carried out in line with the student's area of specialization. Apprentices receive special support regarding their professional career plans during both the first and second years of the program.

**ADMISSIONS**

**Prerequisites Master’s year 1**
- Bachelor's degree (180 ECTS credits) in management, economics, accounting or applied mathematics, or a degree from a French business or engineering school, IEP political studies institute or high-level university or equivalent institution.
- Candidates for the Banking Finance Insurance (BFA) specialization must be in at least the second year of their Bachelor's degree.

**Selection process**
- The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

**DIPLOMA DELIVERED**
- Institutional Master's degree conferred by Université PSL and prepared at Dauphine – PSL.

**TEACHING LOCATION**
- Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

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**More information**
dauphine.psl.eu/en/training/masters-degrees/economics-and-finance

**Contact**
- Head of the master's program: René AID, University Professor, Dauphine – PSL

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Université PSL
psl.eu

@PSLuniv
@psl_univ
The “Institutions, Organizations, Economy and Society” Master’s degree program (major in Economic and Social Sciences) is the result of a collaboration between Dauphine – PSL and Ecole nationale supérieure des Mines de Paris – PSL. This multidisciplinary program, rooted in a “learn by doing” approach to research, is designed to train a new generation of researchers and experts, able to provide fresh insight into the policies, institutions, organizations that play a critical role in the contemporary economy. This master’s degree is part of PSL’s graduate program in Social Sciences.

MAIN ASSETS

— **A core curriculum** designed and taught by teams of two or three instructors from several disciplines (sociology and economics, economics and law, management and history, etc.).

— **Apprenticeship in investigative methods**: courses in epistemology, a wide range of practicums in statistics, the use of digital technologies, possible introduction to the processing of archival and geographical data, participation in the “BigDataBootCamp4Beginners.”

— **Immersion in emerging research**: access to the array of seminars available at the research laboratories of Dauphine – PSL, the Ecole nationale supérieure des Mines de Paris – PSL and the EHESS.

— **Integration into international research networks**: bilingual teaching (30% taught in English), certification in English, English courses for social science research, hosting of researchers from foreign institutions.

— **The creation of a collaborative working environment by and for students** throughout the year: a collaborative platform, discussion groups on individual work and support for collective projects.

— **Personalized mentoring** by members of the teaching staff and their colleagues: ongoing support for students as they design and carry out their theses in M1 and M2; guidance and support in the search for internships with research institutions, in France and abroad.

LEARNING OUTCOMES

The program includes a common core curriculum in M1. In Master’s year 2, beside the master’s program, students who have a particular interest in management research can attend the DU Research in management. The instruction, given in French and English, combines contributions from the economic and social sciences (economics, management, sociology and political science, and, to a lesser extent, anthropology, geography and history). The courses focus on concepts and key issues and introduce students to the investigative methods (particularly statistical) they will need in order to design and carry out scientific research.

CAREER OPPORTUNITIES

— The program provides a foundation for a scientific career in higher education or research. Students can capitalize on the reputation of Dauphine – PSL and the Ecole nationale supérieure des Mines de Paris – PSL to gain entrée to international research networks and pursue a doctorate.

— The master’s degree also trains managers in the necessary scientific mindset to meet the organizational and political challenges confronting both contemporary society and their organizations.
## CURRICULUM

### Master's Year 1 (M1; 60 ECTS)

1 track

Institutions, organizations, economy & society

- Five mandatory courses:
  - Comparative methods in the social sciences of the economy
  - States, institutions and the construction of markets
  - Firms, organizations and markets
  - Work, capital and accumulation
  - Law and regulation of the economy
- Management (capacity to use management data and initiation to research in management)
- Master Class taught by guest researchers
- A choice of three research seminars
- A choice of three methodology classes
- Preparation for certification in English (with an objective of 90/120 on the TOEFL or equivalent)
- Research thesis

### Master's Year 2 (M2; 60 ECTS)

1 track, with the possibility to follow DU Research in management

Institutions, economy & society

- Four mandatory courses:
  - Debt and money institutions
  - Financialization and valuation
  - Environment, Economics, Capitalism
  - Economic spaces, globalization and territories
- English for social sciences
- A choice of two research seminars
- A choice of two methodology classes
- One optional course (méthods, research seminar or professional skills)
- M2 research thesis

## TEACHING

In both M1 and M2, the conceptual, thematic and methodology courses assume preparatory work of three to five hours per hour of teaching, so that the bulk of class time can be devoted to discussion, in accordance with the principle of a flipped classroom. Students must also take part in group educational activities (reading groups, discussions of research in progress, hosting of invited researchers, etc.).

## LOCATION

Classes are held in the heart of Paris on the campuses of the participating PSL institutions:

- Dauphine-PSL : Place du Maréchal de Lattre de Tassigny, 75016 Paris
- Mines ParisTech -PSL : 60, boulevard Saint-Michel, 75006 Paris

## DIPLOMA DELIVERED

National Master’s degree conferred by Université PSL and prepared at Dauphine–PSL.

More information
psl.eu/en/education/masters-degree-institutions-organizations-economics-and-society

Contact
Paul Lagneau-Ymonet (Dauphine – PSL) and Sylvain Laurens (EHESS)
admissions-master-ioes@psl.eu

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Dauphine
UNIVERSITÉ PARIS

PSL

MINES
ParisTech

PSL
The Fashion & Materials Master's degree program from Université PSL represents a collaborative effort by three institutions that are among the biggest names in their respective fields: management (Dauphine - PSL), design (École Nationale Supérieure des Arts Décoratifs – EnsAD) and engineering (MINES de Paris - PSL). It brings together students from a variety of disciplines as part of an international curriculum that is unmatched in Paris. The program – in which students may enroll on a full-time basis or via an apprenticeship – addresses the complex challenges that drive the world of fashion and materials. It is designed to train a new generation of students to contribute to the industry’s social and environmental transition.

**MAIN ASSETS OF THE PROGRAM**

— The opportunity for interdisciplinary experimentation, to confront issues connected with the industry’s transformation.

— An active teaching method with small class sizes to promote a spirit of initiative and the emergence of new concepts and designs with professional and academic mentoring.

— A career-minded program and the opportunity to take courses as part of an apprenticeship.

— An international curriculum with instruction in English and close collaborations with universities outside France.

— Access to specialized technical workshops and a materials library.

— Immersion in the Université PSL ecosystem: access to state-of-the-art laboratories in design, management, sciences and engineering; opportunities to attend courses at a variety of institutions, etc.

— The master’s degree is part of the graduate programs in Arts and Management which gives students access to the most recent breakthrough made in PSL’s laboratories.

**LEARNING OUTCOMES**

The Master’s degree gives students the opportunity to supplement their initial expertise by learning about related areas of knowledge and acquiring a methodology for analyzing issues in all their complexity. It gives materials a primary role in user-centered fashion design, as applied to a wide range of fields from ready-to-wear to luxury goods as well as technical textiles or healthcare.

As an incubator for new talent, the program is meant to serve as a forum where students, teachers, researchers and professionals can come together and share ideas. Students will learn how to interact with the professional world and become a driving force in helping to change current practices.

Educating creative, committed talent at the forefront of innovation
Access according to profile

Enrollment in either 1st or 2nd year of the Master’s program

Students who have a background in fashion or textile design can enroll in the first year of the program and take the entire curriculum over a two-year period (120 ECTS).

Students with a design, management or science and engineering background may enroll directly in the second year of the program and choose their coursework based on their previous academic path and career plans (60 ECTS).

Customized academic paths

Students who enroll for the first year of the Master’s program follow the “Creation” track, which offers a comprehensive education that includes all of the instructional blocks. Students who enroll for the second year of the Master’s program can choose from one of the following three academic paths:

- “Exploration”: for acquiring expertise to develop innovative projects (Blocks 0+1+2+3).
- “Transformation”: for gaining a thorough understanding of changes in the industry and developing a personal project (Blocks 0+1+5).
- “Proposition”: for strengthening professional experience and focusing on developing a project (Blocks 0+4+5).

Students can follow each path either through full-time study or in an apprenticeship that alternates study with employment, in which students spend two days a week at the university supplemented with several weeks of intensive instruction spread throughout the year.

INSTRUCTION (IN ENGLISH)

— **Block 0**: basic principles of management, fashion and materials (upon profiles)
— **Block 1**: ecodesign of resources, materials and processes
— **Block 2**: exploratory methods
— **Block 3**: cross-institutional project (prospective work conducted in partnership with a business alongside students from other Université PSL Master’s programs)
— **Block 4**: career experience (apprenticeship, entrepreneurial experience, work internship or research internship)
— **Block 5**: exploratory project (for developing an individual or collaborative project).

The course is also punctuated by collective events (meetings of the collective of experts, site visits, conferences, involvement in the life of the Master’s program). The program combines group projects and personal reflection. It is based on active instruction through a variety of means: seminars; intensive workshops; tutoring with academic, professional and international experts; business challenges; exploratory projects; introductory research thesis.

DIPLOMA DELIVERED

Master’s level diploma from Université PSL, prepared at Dauphine – PSL.

Opportunities

Upon completing the program, students can move on to employment with fashion or textile companies or trade organizations, develop a personal creative project or pursue with a research track. The degree opens the door to a very wide range of career paths, given the diversity of the students’ backgrounds (materials supply, fashion design, consulting in eco-design, product development, textile engineering and more). The program is specifically designed to help students develop expertise that is consistent with the social and environmental transition.

Admissions

**Prerequisites**

**Master’s Year 1**: Bachelor’s degree or the equivalent in fashion or textile design.

**Master’s Year 2**: Master’s Year 1 or the equivalent in one of the related disciplines (design, management, science and engineering).

A mastery of English is required (TOEFL 92 or IELTS 6.5) as well as a basic knowledge of French for non-French-speaking students (B1/B2 level).

**Application process**

Based on an application and interview. Three recruitment rounds held from January to June. Applications must be submitted online at PSL’s application website: candidatures.psl.eu/Candidature/s/login

Contact

enamoma@psl.eu

INSTITUTION (IN ENGLISH)

— **Block 0**: basic principles of management, fashion and materials (upon profiles)
— **Block 1**: ecodesign of resources, materials and processes
— **Block 2**: exploratory methods
— **Block 3**: cross-institutional project (prospective work conducted in partnership with a business alongside students from other Université PSL Master’s programs)
— **Block 4**: career experience (apprenticeship, entrepreneurial experience, work internship or research internship)
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The course is also punctuated by collective events (meetings of the collective of experts, site visits, conferences, involvement in the life of the Master’s program). The program combines group projects and personal reflection. It is based on active instruction through a variety of means: seminars; intensive workshops; tutoring with academic, professional and international experts; business challenges; exploratory projects; introductory research thesis.

DIPLOMA DELIVERED

Master’s level diploma from Université PSL, prepared at Dauphine – PSL.

More information

enamoma.psl.eu

Contact

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@psl_univ

More information

enamoma.psl.eu

Contact

enamoma@psl.eu

Université PSL
psl.eu

@PSLuniv
@psl_univ
The Master’s degree program in Finance from Dauphine – PSL produces high-level financial professionals for businesses and financial institutions. They boast extensive technical skills specific to a variety of business segments, management capabilities and an evolving knowledge base acquired through an openness to research and seminars in research-based training. Part of PSL’s graduate program in Finance, this Master’s program is among the jewels in the French academic landscape, thanks to its size, reputation and international character as well as the wide range of business areas covered and the high-quality courses of study offered.

MAIN ASSETS

— High-level training in financial techniques in one of Dauphine–PSL’s flagship academic programs.

— A generalist curriculum, with a strong concentration in the second year thanks to the wide variety of academic tracks offered.

— The opportunity to develop an international career through courses offered on the Dauphine Tunis campus as well as semester-long academic exchanges via the QTEM (Quantitative Techniques for Economics & Management) Masters Network.

— A career-minded curriculum: a recommended gap year between M1 and M2 so students can refine their career plan on the basis of business internships; three academic concentrations offered through work-study programs with enhanced instructional support during the assignment; more than half of the academic tracks offered in M2 are available through executive education.

— An extensive environment of partners, including universities outside France (Bocconi, Lugano, Shanghai, Lausanne); partner institutions abroad, such as the CFA Institute; member institutions in SIGMA (the Social Impact and Global Management Alliance); and businesses and international organizations. These relationships provide opportunities for high-level technical supervision and a wide range of internships, work-study programs and exchanges in France and abroad.

LEARNING OUTCOMES

— World-class training in financial techniques.

— International mobility thanks to numerous agreements for international exchanges in both the first and second year of the program.

— Wide-ranging career opportunities in every area of finance.

— Enhanced prospects for developing an international career.

CAREER OPPORTUNITIES

Private equity, M&A trader, Booker analyst (asset and risk management, financial analyst, investment analyst).
**INSTRUCTIONAL CONTENT**

The first year of the Master’s degree program gives students the opportunity to explore various aspects of finance so they can choose their preferred concentration in the second year. The optional gap year also provides an opportunity to reaffirm or refine that choice of concentration. The M1 year is built around courses in the core curriculum as well as specialized courses that allow students to prepare for their chosen academic concentration in the second year.

The second year of the Master’s program is designed to help students:
- acquire a knowledge base in finance,
- gain an overall perspective on the various disciplines and fields within the world of finance,
- master the tools for valuing financial assets,
- learn how to measure and manage financial risks,
- master the computer tools for problem-solving in finance.

**ADMISSION**

**Prerequisites (M1):** Bachelor’s degree (180 ECTS credits) in management, economics, accounting or applied mathematics, or a degree from a French business or engineering school or high-level university or equivalent institution.

**Selection process:** The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

**DIPLOMA DELIVERED**

Institutional Master’s degree conferred by Université PSL and prepared at Dauphine – PSL.

**TEACHING LOCATION**

Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

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### Master’s Year 1 (M1; 60 ECTS)

<table>
<thead>
<tr>
<th>Concentrations</th>
<th>Optional gap year</th>
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<tbody>
<tr>
<td>Finance</td>
<td>After an initial year followed by an optional gap year, students may concentrate in one of 11 areas.</td>
</tr>
<tr>
<td>Research in Finance</td>
<td>After an initial year followed by an optional gap year, students may concentrate in one area.</td>
</tr>
<tr>
<td>Financial Markets</td>
<td>After an initial year followed by an optional gap year, students may concentrate in one area.</td>
</tr>
<tr>
<td>Finance: Businesses and Markets</td>
<td>After an initial year followed by an optional gap year, students may concentrate in one area.</td>
</tr>
<tr>
<td>Finance: Work-Study Training</td>
<td>After an initial year, students may concentrate in one of three areas (no gap year between M1 and M2).</td>
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</tbody>
</table>

### Master’s Year 2 (M2; 60 ECTS)

<table>
<thead>
<tr>
<th>Concentrations</th>
<th>Optional gap year</th>
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<tbody>
<tr>
<td>— Insurance and Risk Management</td>
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<tr>
<td>— Auditing and Financial Advising</td>
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<tr>
<td>— Banking and Finance</td>
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<tr>
<td>— Investment and Money Market Banking</td>
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<tr>
<td>— Corporate Finance and Financial Engineering</td>
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<tr>
<td>— Finance: Businesses and Markets</td>
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<tr>
<td>— Financial Markets</td>
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<tr>
<td>— Asset Management</td>
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<tr>
<td>— Corporate Financial Management</td>
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<tr>
<td>— Real Estate Management</td>
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<tr>
<td>— Research in Finance</td>
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<tr>
<td>— Investment and Money Market Banking</td>
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<tr>
<td>— Asset Management</td>
<td></td>
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<tr>
<td>— Real Estate Management</td>
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</tr>
</tbody>
</table>

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**More information**
dauphine.psl.eu/en/training/masters-degrees/finance

**Contact**
Head of the master’s program: Serge DAROLLES, University Professor, Dauphine – PSL

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**Dauphine | PSL**
The Master’s degree program in Economics and Management of Health and Healthcare at Dauphine – PSL produces professionals with specialized training in the economics and management of health and medical/social facilities (care facilities, nursing homes, etc.). Its graduates also serve in positions connected with health economics assessment and access to the health care technology market (pharmaceutical industry, consulting firms).

**MAIN ASSETS**

— A curriculum that draws on 40 years of experience and is hailed for its excellence by the business community and industry firms.

— International opportunities made possible through academic exchanges with the University of Lausanne in Switzerland, the University of Leeds in the U.K. and Maastricht University in the Netherlands.

— An education that is firmly grounded in research, drawing on the Laboratory for Health Organization Economics and Management (LEGOS) and the PSL graduate program in Economics.

— A career-minded curriculum that features numerous faculty members who are practicing professionals, the option of obtaining the degree on a work-study basis, educational modules to help students acquire professional skills, an optional gap year and business internships for students in full-time initial training.

— A diverse environment of partners: LEEM Apprentissage apprentice training center, a wide network of businesses, the Chair in Health, the Finance and Sustainable Growth Labex research program at the Institut Louis Bachelier supported by Istya, industry organizations and major bodies in the health and medical/social sectors (ANAP, the AP-HP hospital system in Paris, the Ile-de-France regional health agency, Clinéa, Colisée, the French Red Cross, France’s General Directorates for Social Cohesion [DGCS] and Healthcare Services [DGOS], DomusVi, FEHAP, the FHF and FHP hospital federations, Fondation Partage et Vie, Groupe SOS and more).

**LEARNING OUTCOMES**

— Training in supervisory and management careers in the French and European health and medical/social sectors and in the evaluation of health care technology.

— Quality career opportunities in a dynamic business sector.

**CAREER OPPORTUNITIES**

Health consultant, health economics consultant, project researcher and project director.
Master’s Year 1 (M1; 60 ECTS)

Two options for specialization
— Economics and Management
— Management

Basic courses

Thematic Modules

Required Internship
in the health sector

Optional gap year

Master’s Year 2 (M2; 60 ECTS)

Four Concentrations
— Economics and Management of Health and Medical/Social Facilities
— Economic Evaluation and Market Access
— Transformation Management in the Healthcare and Social Services Sectors
— Strategic Management of Senior Services and Care Facilities

INSTRUCTIONAL CONTENT (M1)
The first year of the Master’s degree program is structured around two specializations and includes required courses in four areas: Economics, Management (management and sociology), Tools (statistical and legal tools), and Personal Development.

Students gradually select a concentration with which, in most cases, they can enter the Economics and Management of Health and Medical/Social Facilities track in M2. Students who are knowledgeable in the field of health strategies assessment may enter the Economic Evaluation and Market Access track.

The curriculum allows students to use economic, sociological and management-based approaches as well as tools for economic analysis and management to acquire or extend their knowledge of a specific aspect of the health sector while gaining legal knowledge specific to the sector (public and private law). Students will conduct projects designed to help them master argumentation techniques and develop a critical mindset.

ADMISSIONS
Prerequisites Master’s year 1
A Bachelor’s degree (180 ECTS credits) in management economics, the social sciences or applied mathematics in the social sciences. Prior professional experience (internships, etc.) is strongly recommended.

Selection process
The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

DIPLOMA DELIVERED
National Master’s degree conferred by Université PSL and prepared at Dauphine – PSL.

TEACHING LOCATION
Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

More information

Contact
Head of the master’s program : Pierre LEVY, Lecturer, Dauphine – PSL
The Master’s degree program in Human Resources Management at Dauphine – PSL offers a comprehensive, multidisciplinary and career-minded curriculum that combines management and social science. Its graduates become better equipped to understand human resources issues and how they are connected with the organization’s objectives as a whole. The program provides them with the tools they need to identify ways to take action, manage the social and human aspects of corporate transformations and convince decision-making bodies that their proposals are appropriate and feasible. The Master's degree is part of PSL's graduate program in Management.

**MAIN ASSETS**

— Teaching that is designed to provide students with the change management skills that are highly sought after in today’s professional job market, given the accelerating pace of transformations in businesses, public institutions and the nonprofit sector.

— Diverse and motivating career prospects for students seeking a career in human resources or change management.

— A strong international focus that includes academic exchanges with a variety of partner universities around the world, selected for the compatibility of their curricula.

— A highly career-minded curriculum thanks to:
  • Ties with large French and international corporations, offering excellent opportunities for internships and the Volunteers for International Experience (VIE) program.
  • Work and evaluation methods that emphasize simulations (business cases), work in groups and reconstructions of scenarios in the field.

— Close ties with partner chairs (Chair in Trust and Management), businesses (ELEGIA Formation) and industry and trade organizations (ANDRH, SYNTEC, etc.).

**LEARNING OUTCOMES**

— A mastery of all aspects of the HR function and its context, so that graduates can assume the strategic and workplace responsibilities of a Director of Human Resources.

— The ability to articulate corporate HR policy and strategy and draft plans for managing corporate transformations as they affect personnel and the workplace.

— The ability to assimilate analytical models and company stances so as to provide support to personnel who are affected by corporate transformations.

**OPPORTUNITIES**

The Master's degree program produces high-level professionals trained to work in France or abroad:

— Recruitment specialist
— Remuneration specialist
— Human resources officer
— Human resources consultant
— HRIS consultant
— Organizational consultant
— Human resources manager
## CURRICULUM

### Master’s Year 1 (M1; 60 ECTS) • Semester 1 / Required courses
- Organizational Theory
- Organizational Behavior
- Sociology of Organizations and Businesses
- Strategic Management
- Basic Principles of Corporate Finance
- HRM: Objectives, Activities and Contemporary Issues
- Individual and Collective Labor Relations Law
- Psychosociology
- Sociology of Labor
- Strategy (GlobStrat): Business Game
- HR Policy Development: Challenges, Strategies and Determinants

### Master’s Year 2 (M2; 60 ECTS) • Semester 2 / Required courses
- Management of IS Performance and Role
- Corporate Social Responsibility and Ethics
- Change Management
- Corporate Communication (Internal and External), Mediation and Conflict Management
- Digitization and Changes in the Workplace and Management
- Business English (onsite/remote)
- Survey Methodologies (Interviews and Questionnaires)
- Project and Team Management
- Modern Language 2
- Personal Development and Self-Confidence
- Apprenticeship
- Thesis

### Optional gap year
- Students can choose one of two concentrations:
  - Change Management and Consulting
  - Human Resources Strategic Management
  - MBA - Human Resources Management (Executive education)
  - Labor Relations and Negotiations (Executive education)

### INSTRUCTIONAL CONTENT
The first year of the curriculum includes approximately 450 hours of coursework divided between two semesters that run from the end of August to the beginning of the following May. The Master’s degree can be taken on an apprenticeship basis or as full-time study. Students in an apprenticeship begin their work-study program in mid-November, spending one week at the university and three weeks in a business until the end of the course; they then spend all of their time at the business until courses resume for the second year of the program. Students in full-time study may begin an internship in the month of May.

### DIPLOMA DELIVERED
Institutional Master’s degree conferred by Université PSL and prepared at Dauphine–PSL.

### ADMISSIONS
**Prerequisites Master’s Year 1**
- A three-year undergraduate degree (BAC+3, 180 ECTS credits) or the equivalent, obtained at Dauphine, another university, a French IEP political studies institute or other high-level institution of higher learning, in France or abroad, in one of the following fields: management, sociology, economics, humanities and social sciences, engineering, information and communication sciences.
- This academic program is open to applicants who have professional experience that is eligible for “Validation of experiential learning” (VAE).

**Selection process**
Based on an application and interview. The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

### TEACHING LOCATION
Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

More information
dauphine.psl.eu/en/training/masters-degrees/human-resources-management

Contacts
Heads of the master’s program: Fabien BLANCHOT & Éric CAMPOY, Lecturers

Université PSL
psl.eu
f @PSLuniv
t @psl_univ
MAIN ASSETS

— A program that offers multidisciplinary experience with innovation among students from a wide range of backgrounds: management, law, finance, economics, political science, engineering and PhDs in science.

— A curriculum designed to open doors in the job market through actual professional assignments on behalf of large companies: business plans, future-oriented assignments, technology projects, innovative design.

— An education with a strongly international perspective that offers the chance to study and/or gain professional experience abroad thanks to strategic partnerships:
  • participating businesses in the Cercle de l’Innovation (Dauphine Foundation) and the Chair in Theory and Methods of Innovative Design at MINES ParisTech, including Renault, SNCF, Merck Millipore, Airbus, Dassault Systèmes, Thalès and more.
  • The Special Interest Group on Design Theory, created with support from the Design Society, which brings together researchers from multiple universities worldwide, including Carnegie Mellon, Stanford, Tel Aviv, Tokyo, Delft and Chalmers.
  • The international research network in innovation management, whose members include HEC Montréal, RWTH Aachen University, London Business School and the Politecnico di Milano.

— The opportunity to assume responsibilities as part of major projects in the degree program: study tours, bimonthly talks and an annual lecture, website, vlog, etc.

INSTRUCTIONAL CONTENT

The curriculum uses multidisciplinary experience with innovation to prepare students for professional life in the field. Upon finishing their training, students will be able to manage and obtain funding for innovative projects, from design to completion, and help define strategic priorities for businesses, and particularly strategies for innovation. They will be able to create, develop and contribute to the success of innovative companies and business operations and help firms focus their energies on innovation processes, particularly for breakthrough innovations.
INSTRUCTIONAL CONTENT
The coursework revolves around key topics such as innovative design, innovation financing, technology foresight and the psychology of innovation. In addition, each year is structured around professional experiences: an innovation project, trade shows connected with innovation, internships, etc. Students are required to take a gap year between the first and second years of the program.

OPPORTUNITIES
The Master’s degree program prepares students for careers in innovation, such as innovation project manager, product manager, innovation finance manager, innovation manager or innovation consultant. It also serves as training for future researchers in innovation management as it intersects with a variety of disciplines other than management science. Students interested in starting a business are also invited to join the program.

DIPLOMA DELIVERED
National Master’s degree conferred by Université PSL and prepared at Dauphine – PSL.
The Master’s degree program in International Affairs and Development from PSL is a gateway to an international career. With eight concentrations offered in the second year, students receive training designed to enhance and expand their knowledge of economics, the sociology of organizations and networks, international political relations, international business law, management, logistics and finance. In a world facing momentous challenges (environmental, political, etc.), this Master’s degree program, with its strong emphasis on research, produces informed students with the ability to seek out new solutions. The curriculum is part of PSL’s graduate program in Economics.

**MAIN ASSETS**

— Training in careers connected with economic, social and environmental challenges, as well as research.

— A richly diverse student body selected from a wide range of backgrounds (students with undergraduate degrees in economics, sociology, political science, management, etc.).

— A program of multidisciplinary study taught by a high-level faculty.

— An international academic environment that offers contact with students from around the world (South America, Africa, Asia, etc.) as well as opportunities for dual degrees and exchanges with partner universities.

— A wide range of career opportunities both in France and worldwide, in the corporate world, the public sector, international organizations, civil society and the world of research.

— A curriculum that can be tailored to students’ professional lives: full-time study with an optional gap year between the first and second years; work-study programs (with enhanced instructional support); or executive education.

**LEARNING OUTCOMES**

— A strong general knowledge of key issues in international affairs.

— Technical skills in areas such as econometrics, modeling and optimization.

— Specialization in the field of sustainable development, peace studies or international economics and development economics.

— The ability to deploy tools and methods used in the chosen field of study.

The first year of the Master’s degree offers multidisciplinary training in economics, sociology, political science, finance and law. Each specialization includes required and optional courses. Courses are open to students from other specializations as optional courses.

**CAREER OPPORTUNITIES**

Careers in France and worldwide in an array of sectors and businesses: analyst, chargé de mission (European affairs, environment), consultant (supply chain, defense and security, data scientist), etc.
Master's Year 1 (M1; 60 ECTS)

First semester
Core curriculum
- International economics, development economics, social and environmental responsibility, conflict management and peace building, etc.

Second semester
Students choose one of three specializations (depending on the concentration they intend to pursue in M2):
- Economics
- Sustainable Development
- Peace Studies

Master's Year 2 (M2; 60 ECTS)

Concentrations offered in M2:
- For students who specialized in Economics in M1
  - International affairs
  - Public policy decision-making and assessment
  - International economic assessment
  - International economics and development
  - International supply chain
- For students who specialized in Sustainable Development in M1
  - International affairs
  - Sustainable development: corporate and institutional responsibility
- For students who specialized in Peace Studies in M1
  - International affairs
  - Peace Studies

Optional gap year

PARTICIPATING PARTNERS
Businesses (Total, Natixis, etc.), international organizations (International Monetary Fund, World Bank, OECD), public institutions in France (Banque de France, INSEE, the French National Research Institute for Sustainable Development [IRD], etc.). This environment provides opportunities for high-level technical supervision and a wide selection of internships and work-study programs.

INTERNATIONAL OUTLOOK
The Master's degree program offers varied opportunities for studying and working abroad. Its partners include the Free University of Brussels in Belgium, the Pontifical Catholic University of Chile in Santiago (dual degree) and Italy’s University of Pisa (dual degree); it is also a member of the QTEM (Quantitative Techniques for Economics and Management) Masters Network. Some courses are taught in English. Nearly one third of alumni obtain a position located abroad within a year of receiving their degree.

ADMISSIONS
Prerequisites (M1):
- Bachelor’s degree (180 ECTS) in management, economics or the social sciences, or a degree from a French IEP political studies institute or high-level university or equivalent institution.

Selection process:
Based on an application and interview. The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

DIPLOMA DELIVERED
Institutional Master's degree conferred by Université PSL and prepared at Dauphine – PSL.

TEACHING LOCATION
Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

More information
dauphine.psl.eu/en/training/masters-degrees/international-affairs-and-development

Contact
Head of the master’s degree: Philippe DE VREYER, University Professor, Dauphine – PSL

Université PSL
psl.eu
f @PSLuniv
t @psl_univ
The Master’s degree program in Information Systems, Networks and Digital Technology at Dauphine – PSL is designed to train both managers who are broadly versed in digital technology and experts in information systems. Its graduates are equipped to tackle and steer the digital transformation in a wide variety of organizations and industries.

**MAIN ASSETS**

— A curriculum that offers thorough training in management and economics and provides a solid foundation in digital and IT skills, enabling students to grasp the digital transformation in all its complexity.

— An innovative curriculum organized around three major topics: innovation management, data and information systems.

— A concentration that begins in the program’s first year, when students choose a specialization based on their anticipated track in the second year.

— A Master’s program that is firmly focused on actual experience, including 24 months working at a business (work-study training) or a contract for a part-time business internship (for students in full-time study).

— A degree program adapted to business needs, thanks to courses that are constantly updated to reflect technological, economic and managerial trends driven by digital technology, as well as employers’ business expectations.

— Partnerships with national and international firms.

— Education informed by research, thanks to its affiliation with research laboratories, including the Dauphine Center for Management Research (DRM) and the Research Center on Systems Analysis and Modeling for Decision Aiding (LAMSADE), and PSL’s graduate program in Management.

**LEARNING OUTCOMES**

— An understanding of and training in new careers in the digital transformation.

— Skills in analysis, technical program management or project management that are rooted in data science.

— Managerial and technical skills regarding information systems and how they can transform organizations, innovative businesses and the private sector.

— Varied career opportunities in both the public and private sector.

**CAREER OPPORTUNITIES**

The Master’s degree program produces high-level professionals trained for the following careers:

— Consultant

— Project manager (production, development)

— Project manager (digital, economic)

— Data analyst and account manager
CURRICULUM

Master’s Year 1 (M1; 60 ECTS)  

• One academic track

Core Curriculum  
8 courses:  
— Data Management  
— Introduction to Databases  
— Introduction to Algorithms and Programming  
— Data Science  
— Digital Law  
— Digital Marketing  
— Language  
— Hackathon

Master’s Year 2 (M2; 60 ECTS)  

• Six academic tracks
  — Network Industries and the Digital Economy  
  — Telecommunications and Media Management  
  — Management of Production Processes for Goods and Services  
  — Information Systems Management  
  — Extended Enterprise Information Systems: Audit and Consulting  
  — Big Data and the Digital Economy (launches in the 2021-2022 academic year)

INSTRUCTIONAL CONTENT

The first year of the Master’s program offers a range of courses to help students acquire basic principles and analytical tools for gaining a better understanding of the fundamentals of management (finance, human resources management, project management, marketing, logistics), information systems (modeling, governance, security, auditing) and innovation (including economic and regulatory aspects and innovation in digital technology and media), all of which are constantly changing. Students choose a specialization in their first year that corresponds to one of the six tracks for concentration in the second year.

TEACHING LOCATION

Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

ADMISSIONS

Prerequisites Master’s Year 1
Students from France or abroad* who hold a three-year undergraduate degree (BAC+3, 180 ECTS credits) or the equivalent, obtained at Dauphine or another university or institution of higher learning, in information technology, management, economics, finance or engineering.

Selection process
Based on an application to be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

* Applicants for the work-study program must have resided in France for 12 months prior to admission.

DIPLOMA DELIVERED

Institutional Master’s degree conferred by Université PSL and prepared at Dauphine – PSL.

More information


Contact

Head of the master’s program : Éric BROUSSEAU, University Professor

Université PSL  
psl.eu  
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@psl_univ
Founded in 1978 in Paris, the Institut Pratique du Journalisme (IPJ) Dauphine – PSL educates future journalists through a curriculum that was accredited by the industry in 1993. In 40 years, the Institute has trained more than 2,000 journalists who currently work for the most prestigious media outlets. Continuing in the tradition of its founders, the Institute dispenses a best-in-class course of study characterized by a demanding academic framework, innovative teaching methods, and strong focus on experiential learning. Through flipped classrooms, learning-by-doing, peer assessment, and a digital work environment, students acquire considerable skills and knowledge.

**Main Assets**

- A degree that has been formally recognized by France’s national commission on the employment of journalists, the CPNEJ.
- Personal attention for each student that is designed to guide students into the most appropriate career, thanks to the program’s especially close ties with the journalism profession, including a network of more than 2,000 alumni active in every area of the media.
- A flexible, open curriculum that is suited to every student’s career plans and offers opportunities in all types of media.
- Courses that focus on realities in the field, with hybrid training developed jointly by media professionals (journalists, editors-in-chief, publishers, etc.) and academics.
- Practice-based learning in which students are placed in real-life situations in their first year (for full-time students) or gain work experience in media companies (for work-study students). Those experiences are combined with high academic standards.
- An internationally-minded Master’s program that gives students the opportunity to conduct a gap year abroad.

In a partner institution or at a member school within the PSL community (ENS, Conservatoire, etc.).

**Learning Outcomes**

An active, experience-based teaching method and high academic standards are the cornerstones of the Institut Pratique du Journalisme Dauphin–PSL. Students who enter the IPJ can be assured of a position in the journalism profession upon completing their degree and will have access to a professional network that spans every area of the media.

**Career Opportunities**

The Master’s degree program produces high-level professionals trained for the following careers:

- Editor
- Reporter
- Photojournalist
- Web journalist
- Anchor
- Editorial secretary
Master's Year 1 (M1; 60 ECTS)

• One academic
  — Journalism
  In their first year of study, students discover the full set of journalistic techniques while strengthening their general education and knowledge of the media universe.

General courses
- Economics
- Social
- Geopolitics
- Justice System
- French and European Politics
- International Economics
- Legal Institutions
- European and International Institutions

Professional Techniques
- Basic Journalism Techniques
- Collecting and Verifying Information
- Online Journalism
- Sound and Radio
- Images and TV
- Photojournalism
- Secretarial and Editorial, Mastery of the French Language

Professional environment
- Media Economy
- Knowledge of the Media
- Press Law
- History of the Press
- Media Convergence

Languages
- English
- German
- Spanish

More information
ipj.eu

Contact
ipj@dauphine.psl.eu

Master's Year 2 (M2; 60 ECTS)

• Three academic tracks
  — International and European Journalism
  — Business and Economics Journalism
  — Political Journalism

Core Curriculum
- Rights and Obligations of Journalists
- Professional Ethics
- Sociology
- New Journalistic Practices
- Creation and Innovation in Media
- Magazine Press

Two electives from the following:
- Cultural
- Journalism
- Criminal
- Justice Journalism
- Science/Health/Environment Journalism
- Sports Journalism

Languages
- Journalistic Production in a Foreign Language

INSTRUCTIONAL CONTENT

Beginning in the first year, students do apprentice work under real-life conditions. Full-time students may optionally do a gap year, either abroad in a partner school or at a member school within the PSL community (École Normale Supérieure–PSL, Conservatoire National Supérieur d’Art Dramatique–PSL, etc.). In the second year, individualized academic tracks give students multiple options for concentrating in a specific area of the media. By choosing an academic track, concentration and electives, students can construct a curriculum that is tailored to their interests.

DIPLOMA DELIVERED

Institutional Master's degree conferred by Université PSL and prepared at Dauphine–PSL. This degree is registered with France’s national collective bargaining agreement for journalists.

Université PSL
psl.eu

f @PSLuniv
@psl_univ

 ADmissions

Prerequisites M1
Students who hold a Bachelor's degree or the equivalent, or students in the third year of a Bachelor's degree or equivalent program, may apply so long as they will have earned the degree by the time they enter the IPJ.

Selection process
Admission to the first year is by a competitive entrance exam:
There are five written tests for eligibility: general knowledge, mastery of the French language, logical thinking, news and writing a synopsis.
There are four admissions tests: individual journalism interview, individual personality interview, interview in a foreign language, group writing test.

TEACHING LOCATION

IPJ Dauphine – PSL: 24 rue Saint-Georges, 75009 Paris
The Master's degree program in Law at Dauphine – PSL produces professionals who are versed in management and economic issues and helps them acquire cross-disciplinary methodologies and skills. With a strong international orientation thanks to numerous cooperative agreements with institutions outside France, the program prepares students for competitive entrance exams in regulated professions once the first year of study has been completed. Offering 13 areas of concentration in the second year and a curriculum that is closely tied to the business world and the challenges it faces, the Master's degree opens the door to multiple career opportunities in France and worldwide.

**MAIN ASSETS**

— **Training in law that is unmatched in France**, with a strong career focus, a wide range of concentrations and unique offerings (preparation for the New York, California and U.K. Bar; a business law curriculum that combines public and private law; an international law concentration taught in English, etc.).

— **A strong degree of internationalization**, with opportunities to take part in academic exchange programs with partner universities in Europe, Asia and North and South America for a semester or a full year; courses taught in English, etc.

— **Close ties to research**: the Master’s program is part of PSL’s graduate program in Law and draws on the Dauphine Law Research Center (CR2D), while the three areas of specialization in the first year of the program each include a research track.

— **An extensive environment of partners**, including legal institutions (French Court of Cassation, the Autorité des Marchés Financiers regulatory body, the MEDEF employer federation, France’s Conseil d’Etat), law firms, businesses (EY Société d’Avocats, Casino Group), local governments and French government ministries. These relationships provide opportunities for high-level technical supervision and a wide range of internships, work-study programs and exchanges in France and abroad.

— **Study that is closely intertwined with the business world** and aligned with the needs of businesses (most of the instructors in the Master’s program also hold a position in a business or consulting firm).

— **Close academic supervision**, with teaching in small groups that encourages ongoing interaction between teachers and students, a strong sense of class spirit and active networking among current students and alumni through the Juristes à Dauphine association.

**LEARNING OUTCOMES**

— A cross-disciplinary program of legal study that incorporates management and economics and is taught primarily by professionals in the field.

— A thorough understanding of judicial regulation of the economic process with regard to both public and private law and from an in-house, European and international perspective.

— Wide-ranging career opportunities in every area of the legal profession.

— Access to international opportunities.

**OPPORTUNITIES**

Attorney; in-house expert for corporate legal division; legal expect in the financial and regulatory sectors; insurance manager.
CURRICULUM

Master's Year 1 (M1; 60 ECTS)

Business and Tax Law
Students may choose one of nine concentrations upon completing M1, along with an optional gap year.

Public Law and Governance
Students may choose one of three concentrations upon completing M1 (there is no gap year for this specialization).

Assets
Students may choose one of four concentrations upon completing M1, along with an optional gap year.

Optional gap year

Master's Year 2 (M2; 60 ECTS)

- Tax Administration (international program)
- Business Law
- Insurance Law
- European and International Business Law
- Competition Law and Market Regulation
- Corporate Law and Social Responsibility
- Corporate Taxation
- Financial Lawyer
- Legal Research and Innovations

- Public Management
- Advocacy and Public Affairs Law
- Legal Research and Innovations

- Advanced Tax Law – Notaries
- Notarial Law
- Business Assets Law
- Legal Research and Innovations

Optional gap year

INSTRUCTIONAL CONTENT (M1)

- Business and Tax Law: This specialization is designed to train high-level legal experts intending to join the judicial and legal profession, while also offering training in and through research. Students acquire theoretical and practical legal knowledge in every aspect of business and tax law in both the public and private sectors, as well as extra-legal knowledge and skills they will need for their future professional activities.

- Public Law and Governance: This specialization is designed for students who wish to work within or in close contact with a government body. It is conducted as an apprenticeship, but it is also open to students in full-time study who seek a research-based education. Students gain theoretical and practical knowledge in public law but also economics and political science.

- Assets: This specialization trains legal experts who plan to become a notary, an asset manager in banking or insurance, an attorney specializing in asset law or a consultant in asset management. Students acquire a basic knowledge of law and related disciplines while enjoying access to hands-on apprenticeships and an introduction to learning in and through research.

A new curriculum in Business Asset Law and Notarial Law was created in 2019.

Courses and workshops in English are available within the three specializations, and the entire curriculum offers a strong emphasis on the internationalization of the legal professions.

ADMISSIONS

Prerequisites Master’s year 1
Bachelor’s degree (180 ECTS credits) in law or a degree from a high-level French university or equivalent institution.

Selection process
Based on an application and interview. The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

DIPLOMA DELIVERED

National Master’s degree conferred by Université PSL and prepared at Dauphine – PSL.

TEACHING LOCATION

Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

More information
dauphine.psl.eu/en/training/masters-degrees/law

Contact
Head of the master’s program: Georges DECOQ, Professor of Private Law, Dauphine – PSL

Université PSL
psl.eu

@PSLuniv
@psl_univ
The Master’s degree in Organizational Management at Dauphine–PSL develops future managers, consultants and entrepreneurs who can create, transform and revitalize projects and businesses. The program's graduates are leading the innovative organizations of the future.

The curriculum is based on sharing an integrated vision of organizations as places for coordination, cooperation and collective action. This globally-minded Master’s degree is also offered as an international, multi-campus curriculum designed to educate professionals who are open to global digital transformations, with particular emphasis on synergies among Europe, Asia and Africa.

The numerous career tracks offered in the second year present a wide range of career opportunities. The Master’s degree is part of PSL’s graduate program in Management.

**MAIN ASSETS**

— **Training designed to give students the skills they will need to reinvent management for the digital era.**

— **A Master’s degree offered as an international, multi-campus curriculum with instruction that takes economic constraints into account in devising a strategy for companies in emerging countries.**

— **Dual-degree programs with institutions abroad:** LUISS Guido Carli University in Italy, ESAN University in Peru and the Australian National University. The program also partners with University College London in the U.K. and South Korea’s Sookmyung Women’s University.

— **A program that can be tailored to career objectives** with a recommended gap year between the first and second years and two specialized work-study tracks in the second year.

— **Close links with high-profile businesses and partners** (ANACT [French Agency for the Improvement of Working Conditions], the French Development Agency [AFD], Cap Gemini, CSC, Elegia, L’Oréal, ESPCI, the Commissariat des Armées, etc.).

**LEARNING OUTCOMES**

— Management viewed as a career and an area of expertise.

— The ability to reinvent management in order to take on contemporary transitions (digital, environmental, social, etc.).

— The ability to manage creatively by reexamining the parameters for designing organizations and their ties to their environment.

**OPPORTUNITIES**

The Master’s degree program produces high-level professionals trained to work in France or abroad:

— Transformation consultant
— Management and organization consultant
— Entrepreneur
— Business development
— Management control
— Project manager

**English track**
**Master's Year 1 (M1; 60 ECTS)**

<table>
<thead>
<tr>
<th>track</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organizational Management – International</td>
<td>After an initial year followed by an optional gap year, students may concentrate in one of three areas.</td>
</tr>
<tr>
<td>Organizational Management – Full-time study</td>
<td>After an initial year followed by an optional gap year, students may concentrate in one of six areas.</td>
</tr>
<tr>
<td>Organizational Management – Work-study training</td>
<td>After an initial year followed by an optional gap year, students may concentrate in one of three areas.</td>
</tr>
<tr>
<td>Organizational Management – Master's degree</td>
<td>Second year of the Management Sciences Master's degree</td>
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</tbody>
</table>

**Master's Year 2 (M2; 60 ECTS)**

<table>
<thead>
<tr>
<th>track</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Business</td>
<td>Optional gap year</td>
</tr>
<tr>
<td>International Management – Multi-campus</td>
<td>(launches in 2021)</td>
</tr>
<tr>
<td>Management in Developing Countries</td>
<td></td>
</tr>
<tr>
<td>Design and Innovation in Management</td>
<td>Optional gap year</td>
</tr>
<tr>
<td>Entrepreneurship and Innovative Projects</td>
<td></td>
</tr>
<tr>
<td>International Business</td>
<td></td>
</tr>
<tr>
<td>Management of Cultural Organizations</td>
<td></td>
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<tr>
<td>Management in Developing Countries</td>
<td>Strategy and Organization</td>
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<tr>
<td>Business Consulting and Digital Organization</td>
<td>Optional gap year</td>
</tr>
<tr>
<td>Business Transformation – MeM</td>
<td>International Business</td>
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<tr>
<td>International Business</td>
<td></td>
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<tr>
<td>Global Management (third year of the</td>
<td>Optional gap year</td>
</tr>
<tr>
<td>Management Sciences Master's degree</td>
<td>Management Sciences Master's degree</td>
</tr>
</tbody>
</table>

**INSTRUCTIONAL CONTENT**

The Master's degree program in Management and Organizations offers training in cross-disciplinary skills to management professionals operating within a broad range of organizations, as part of an integrated perspective with a strongly international focus. Students can then choose one of several specialized tracks in the second year of the program.

**DIPLOMA DELIVERED**

Institutional Master's degree conferred by Université PSL and prepared at Dauphine – PSL.

**ADMISSIONS**

Prerequisites Master's Year 1
A three-year undergraduate degree (BAC+3, 180 ECTS credits) or the equivalent, obtained at Dauphine or another university or institution of higher learning, in one of the following fields: management, economics, social sciences.

Selection process
Based on an application and interview. The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

**TEACHING LOCATION**

Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

More information
dauphine.psl.eu/en/training/masters-degrees/management-and-organizations

Contact
Head of the master's program: Sébastien DAMART, University Professor
The Master’s degree program in Marketing and Strategy at Dauphine – PSL aims to produce high-level professionals who can construct a marketing strategy and implement and oversee an action plan using relevant data and information, and can critically assess the marketing challenges facing an organization or business. They will be able to adapt to an international environment and complex organizations at a time of major transformations wrought by digital technology. The Master’s degree is part of PSL’s graduate program in Management.

**MAIN ASSETS**

— In addition to key marketing concepts, students will learn about ethics issues and long-term issues in marketing strategy.

— The courses combine active teaching and rich academic content, with instruction divided equally between career professionals and experts from academia. Competitions are organized in partnership with renowned brands (Auchan, L’Oréal, Emmaüs, Le Bon Coin, etc.).

— The program is nurtured by an environment that includes close ties with numerous businesses and research laboratories, including the Dauphine Center for Management Research (DRM).

— Thanks to multiple academic options in the second year of the program and the option of full-time study or a work-study program, students can choose a path that closely reflects their needs and career plans.

— The Master’s program offers an introduction to research in marketing and strategy.

— A strong international focus that includes academic exchanges with a variety of partner universities around the world, selected for the compatibility of their curricula.

**LEARNING OUTCOMES**

— The ability to construct an effective marketing strategy and plan.

— The ability to implement and oversee an action plan that draws on relevant data and information.

— The ability to critically assess marketing and strategic challenges within an organization or business.

**OPPORTUNITIES**

The Master’s degree program produces high-level professionals who have the requisite theoretical and operational skills to create a strategic vision. Those professionals find employment in France and worldwide in positions such as:

— Project manager
— Digital project manager
— Digital marketing manager
— Operational marketing manager
— Consultant
— and many others.
### INSTRUCTIONAL CONTENT

**In full-time study:** The year lasts from September to June and is divided into two semesters. It includes 12 required courses, seven optional courses, a coaching workshop and a thesis. Competitions and lectures by business professionals will give students an opportunity to meet with companies. Students are encouraged to take a gap year between the first and second years of the program, when they can confirm their career plans prior to choosing an academic track for the second year and also lay the groundwork for entering the workforce once they obtain the degree.

**In work-study training (30 spaces):** Students alternate between periods in class and periods spent onsite at a business:
- They attend courses from late August until mid-October; thereafter they are at the university on Thursdays and Fridays.
- They work at the company on Monday, Tuesday and Wednesday from mid-October to the end of June, then full-time in July and August.

### DIPLOMA DELIVERED

Institutional Master's degree conferred by Université PSL and prepared at Dauphine – PSL.

### ADMISSIONS

**Prerequisites Master's Year 1**
A three-year undergraduate degree (BAC+3, 180 ECTS credits) or the equivalent, obtained at Dauphine or another university or institution of higher learning, in one of the following fields: management, economics, social sciences.

**Selection process**
Based on an application and interview. The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

### TEACHING LOCATION

Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

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### CURRICULUM

#### Marketing and Strategy – Full-time study

**Core curriculum: Semester 1:** Customer Management, Study and Research, Consumer Behavior, Strategy and Innovation, Retail Management, Project Manager.
**Semester 2:** Digital Marketing, Brand Strategy, Communication/Marketing, Ethics and Social Responsibility in Markets and Organizations, Business Analytics, Thesis.

#### Marketing and Strategy – Work-study training

**Core curriculum: Semester 1:** Business Game, Consumer Behavior, Study and Research, Strategy and Innovation, Project Manager, Marketing & Society, Customer Experience Management, Business and Film, Business Analytics, Personal and Organizational Resilience.

### More information

dauphine.psl.eu/en/training/masters-degrees/marketing-strategy

### Contact

Head of the master's program: Florence BENOIT-MOREAU, Lecturer
The Master’s degree program in Public Policy at Dauphine-PSL offers training in social science tools and methodologies for careers in public policy, surveys and polling, urban policy, the social and solidarity economy, and corporate social and environmental responsibility. It offers varied career opportunities both in France and worldwide. The Master’s degree is part of PSL’s graduate program in Social Science.

**MAIN ASSETS**

— The Master’s degree offers **advanced training in social science tools and methodologies** for careers in public policy, surveys and polling, urban policy, the social and solidarity economy, and corporate social and environmental responsibility.

— **Partners with an active role in the program**, including the French government think tank France Stratégie, Syndex, the Caisse des Dépôts et Consignations, the Ile-de-France regional government, Ipsos, the École Nationale d’Administration and the French Institute for Demographic Studies (INED).

— **A highly career-minded curriculum** that offers varied career opportunities.

— **A strong international focus** thanks to academic exchanges with a variety of partner universities around the world, such as East China Normal University in Shanghai.

**LEARNING OUTCOMES**

— A thorough mastery of the qualitative and quantitative methods used in the social sciences.

— An excellent knowledge of businesses and governments at the local, national and international level.

— An introduction to research and higher education in the social sciences through affiliation with the research laboratory.

**OPPORTUNITIES**

The Master’s degree offers a variety of career opportunities in businesses and private organizations, local governments and higher education and research:

— Public affairs officer
— Project manager
— Organizational consultant
— CSR specialist
— Social and solidarity economy specialist
— Responsable études
— Regional government executive
— Senior civil servant
— Research professor
— Researcher
## CURRICULUM

### Master's Year 1 (M1; 60 ECTS)

**Semester 1: General topics**
- **Core Curriculum**
  - Public Policy
  - Economic Sociology
  - Practicum in Statistical Surveys: Issues and Development
  - Language (English or Spanish)
  - Field Surveys

**Optional Courses – Choose four**
- Sociology of Labor, Major
- Issues in Economics
- Comparative Law Enforcement
- Gender and Inequality
- International Politics, etc.

### Master's Year 2 (M2; 60 ECTS)

**Semester 2: Specialization**
- **Core Curriculum**
  - Research Workshop
  - Internship Workshop
  - Thesis or internship

**Choose a specialization**
- Public Service Careers and Competitive Examinations
- Public Policies and Opinion.
- Fieldwork, Surveys and Evaluation
- Urban Policy and Regional Governance
- Corporate and Social Responsibility Policies

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### INSTRUCTIONAL CONTENT

In the first year of the Master’s degree program, students study a core curriculum in the first semester to help them master basic principles. In the second semester, students must choose a pre-concentration based on their envisaged track in the second year and subsequent career plans (two of those academic tracks focus on public policy while the other two focus on business policy).

### TEACHING LOCATION

Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

### ADMISSIONS

**Prerequisites Master’s Year 1**
A three-year undergraduate degree (BAC+3, 180 ECTS credits) or the equivalent, obtained at Dauphine-PSL or another university or institution of higher learning, in one of the following fields: humanities and social sciences, sociology, political science, history, economics, management.

**Selection process**
By application. The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

### DIPLOMA DELIVERED

National Master’s degree conferred by Université PSL and prepared at Dauphine – PSL.

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**More information**
dauphine.psl.eu/en/training/masters-degrees/public-policies

**Contacts**
Heads of the master’s program: Sophie BERNARD, Emmanuel HENRY & Éric AGRİKOLİANŞK, University Professors

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Université PSL
psl.eu

@PSLuniv
@psl_univ
Dauphine – PSL Master’s degree in Quantitative Economics offers excellent training in economics, entirely taught in English. After acquiring the fundamental economic concepts during the first year, you will then specialize in a specific economic field through one of the two Master 2 tracks: the Quantitative Economic Analysis track provides advanced research training in economics, while the Digital Economics track is focused on professional training. In addition to quantitative methods, the curriculum also features instruction on massive database processing, as well as the use of computer programming to solve complex economic issues.

LEARNING OUTCOMES
— Acquire training in economic research and reflect on the public and private stakeholders’ decision-making procedures.
— Learn about quantitative methods for processing massive databases, and about how advanced computer programming can solve complex economic issues.
— Address the economic problems facing various sectors of the economy: Health, public policies, macroeconomics, finance, energy and environment, development, ...
— Make use of statistical and econometric tools to obtain reliable and robust answers, shedding light on businesses’ and public or semi-public institutions’ options.
— Report on economic, statistical and/or econometric results to different audiences, orally and in writing.

CAREER OPPORTUNITIES
The Master’s program offers a high-level education enabling graduates to apply to a PhD program, as a professional economist in public or semi-public institutions including international organizations (federal departments, economics research institutes, central banks, etc.), or in the private sector (as data analyst, consultant, economic analyst, etc.), in France or abroad.

MAIN ASSETS
— A strong content in quantitative methods that includes massive data processing.
— An excellent training in economic research, aligned to the real needs of the public and private decision-making world.
— Taught entirely in English and aligned to the best international standards.
— Exchange and internship opportunities worldwide thanks to the 25-member universities of the QTEM international network (Quantitative Techniques for Economics and Management).
— Immersion in a dynamic research ecosystem, working closely with Research centers of PSL in Economics (Dauphine – PSL, LEDa and Mines ParisTech, CERNA), in Management and Finance (Dauphine – PSL, DRM-Finance), computer sciences (Dauphine – PSL, LAMSADE) and mathematics applied to social sciences (Dauphine – PSL, CEREMADE).

This master’s degree is part of PSL Graduate Program in Economics. Specifically, the Master in Quantitative Economics allows interested students to engage in the PhD Research Track of PSL Graduate Program in Economics.
Year 1 (60 ECTS)
Quantitative Economics
After the first year, followed by an optional gap year, 2 specializations are possible.

Year 2 (60 ECTS)
Specializations
— Digital economics
— Quantitative economic analysis

CURRICULUM

The first year of the program provides a solid knowledge of the fundamental concepts in economics, enabling you to reflect on the public and private stakeholders’ decision-making procedures in a wide area of economic problems. The strong emphasis on quantitative methods will also allow you to become familiar with a variety of techniques for processing and analyzing data.

During the second year, students can choose between two specialization tracks: Quantitative Economic Analysis and Digital Economics. Both programs share an intensive training in advanced quantitative methods in economics, including innovative techniques for massive data processing. They also include elective courses, allowing students to specialize in their area of interest.

- Quantitative Economic Analysis Master 2 track offers excellent training in economic research in your chosen specialisation field among the 3 possible ones: Social & Public Policies, Economic Theory, Macroeconomics & Finance. The curriculum combines cutting-edge specialization courses in economics with advanced quantitative methods, including innovative methods in data science. These areas are at the leading edge of current economic research and directly relevant to the questions entailed in economic decision-making, in the private and public sectors alike. The Master 2 QEA will allow you to pursue a doctoral program or embrace a career as a professional economist in the public, semi-public, or private sector, in France or abroad.

- Digital Economics Master 2 track provides expert training in digital economics and methods for analyzing massive data. Harnessing this type of large datasets requires new skills to be able to process high volumes of input and extract useful information. The Digital Economics track therefore aims to train quantitative economists in processing and modeling large, complex datasets to shed light on the decisions of businesses and institutional stakeholders, especially in light of changes brought by Big Data. Employment opportunities are highly varied: data analyst, data scientist, consultant, etc.

ADMISSION
Prerequisites (M1) : Bachelor’s degree (Graduate degree equivalent to 180 ECTS) from an university, or a diploma from an IEP (Institute of Political Studies) or "Grande Ecole", in France or abroad. B2-level mastery of English is required.

Admission process : Online application through MyCandidature portal : candidatures.dauphine.fr

DIPLOMA DELIVERED
French Master's degree diploma from Université PSL, prepared at Dauphine – PSL.

TEACHING LOCATIONS
Dauphine – PSL : Place du Maréchal de Lattre de Tassigny, 75016 Paris

More information
dauphine.psl.eu/en/training/masters-degrees/quantitative-economics

Contact
Head of the master’s program: Lise PATUREAU, Dauphine – PSL
Result of a collaboration between the Social Sciences departments of ENS – PSL and École des Hautes Études en Sciences Sociales (EHESS), the Master’s degree in Social Science offers a unique educational framework for three fundamental social science disciplines—anthropology, history, and sociology—that makes space for the subjects and territory of other disciplines such as political science and economics.

Part of PSL's graduate program in Social science, this master's degree enables students to master the main methods of the social sciences and to prepare for careers in research and data analysis. From the first year, a choice of courses is offered ("Interdisciplinary practices in the social sciences" or "Quantifying in the social sciences") offering close supervision (approx. 20 students / course) and personalised follow-up.

**MAIN ASSETS**

— Unprecedented collaboration between the most prestigious schools in France in the field of social science.

— Exceptionally close ties to laboratories boasting an international reputation.

— Access to all ENS – PSL and EHESS research seminars.

— An international environment created by students, researchers and guest academics...

— An unequalled campus life in the very heart of Paris, benefiting from the opportunities offered by PSL to meet students from several schools and move among a variety of campuses.

**CAREER OPPORTUNITIES**

First and foremost, the Master’s Degree in Social Science prepares students for careers in research. Students in the program are intended to continue their education by preparing a PhD. The Quantification Social Science track also offers corporate opportunities (project manager for local authorities or ministries, data analyst in research companies, polling institutes or think tanks).

**LEARNING OUTCOMES**

This Master’s degree offers training in research by doing research and focuses on the acquisition of specific knowledge from each discipline. Through research workshops and field internship, students become familiar with statistics, archiving, ethnography, and cartography, and the core of the second year curriculum is an individual research project.

The program is primarily affiliated with the Centre Maurice Halbwachs (a joint unit of CNRS, ENS – PSL and EHESS) and also benefits from the contributions of research professors and researchers from other EHESS laboratories (for instance the IRIS, the CESSP...).

**TEACHING LOCATIONS**

The instruction is given in the heart of Paris on the campuses of the PSL schools that are partners in the program.
### CURRICULUM

#### Master's Year 1 (M1; 60 ECTS)

<table>
<thead>
<tr>
<th>2 tracks</th>
</tr>
</thead>
<tbody>
<tr>
<td>— Interdisciplinary Practices in Social Science (PDI)</td>
</tr>
<tr>
<td>— Quantification in Social Science</td>
</tr>
</tbody>
</table>

**Ethnographic or quantitative fieldwork**

**Training in history, sociology, anthropology**

**Training in the mastery of statistical tools**

#### Master's Year 2 (M2; 60 ECTS)

<table>
<thead>
<tr>
<th>2 tracks (cf Master 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support in the writing of the thesis</td>
</tr>
<tr>
<td>Participation in collective research workshops</td>
</tr>
<tr>
<td>Support in the writing of the dissertation project and in the integration into the labor market</td>
</tr>
</tbody>
</table>

### INSTRUCTIONAL CONTENT

**— Interdisciplinary Practices in Social Science (PDI)**

This curriculum combines the contributions of three fundamental disciplines of the social sciences (anthropology, history, sociology) with an openness to the objects and questions of other disciplines such as political science or economics. The curriculum emphasizes three main areas: scientific writing, with specific training in survey reporting; transdisciplinarity, with an openness to the different aspects of the social sciences; and a field approach, with the realization of a training course (survey work) supervised by researchers in sociology, anthropology and political science. Structured around 2 teaching cycles ("disciplines" and "methods"), the first year of the Master's programme enables the foundations of the three core disciplines of PDI to be strengthened and survey methods to be acquired. The 2nd year aims to consolidate and broaden the skills acquired in M1.

**— Quantification in Social Science**

This course trains in the reflexive and rigorous use of quantitative methods in the service of research questions in sociology, anthropology, history and political science. It offers a solid training in social sciences and statistics, combined with upstream reflection on the production of data and downstream reflection on their uses. Training through practice with a strong international orientation through partnerships, the track is based on a common thread common to all the lessons – a reflection on the construction of data – to know how to find them, collect or generate them and perceive their limits.

### ADMISSION

**Prerequisites**

**Master 1**: Students must hold at least a bachelor’s degree in the fields of Humanities and Social Sciences (economics, political science, humanities, history, geography, sociology, social sciences, etc.). This major is designed mainly for students with an educational background in the social sciences (anthropology, history, political science, sociology) or multidisciplinary fields of study (such as political studies, economic and social administration, and graduates of the PSL CPES). It is also suitable for students with other backgrounds (in law, economics, literature, philosophy, mathematics, physics, biology, statistics) who wish to add a social sciences component or switch their focus. It can also benefit students who wish to train at a high level as cultural interpreters, or more mature students who, for personal or professional reasons, are interested in studying the social sciences. Please note that for the "Quantification" track, a minimum knowledge of statistics is expected.

**Selection process**

Based on application

### DIPLOMA DELIVERED

National Master's degree conferred by Université PSL and prepared at Dauphine-PSL.

### More information

psl.eu/en/education/masters-degree-social-sciences

### Contact

Heads of the master's program: Jérôme Deauvieau & Alexis Spire

— PDI track: admissions-pdi@psl.eu

— Quantification track: admissions-quantifier@psl.eu
The Master’s in Transportation, Mobility, and Networks run by MINES ParisTech – PSL and jointly accredited with the École d’Urbanisme de Paris (Universités Paris Est Créteil and Gustave Eiffel), École des Ponts ParisTech and Institut Polytechnique de Paris, is designed for students wishing to better equip their analysis skills and develop solutions to transportation-related challenges through an in-depth mastery of formalized tools. The aim of this course of study is to train professionals and researchers capable of providing answers to the issues surrounding sustainability in the transportation and mobility sectors, making connections between technical, technological, economic, social, and urbanistic dimensions and the regional context in which they are placed.

MAIN ASSETS


— A Master’s degree that offers a critical multidisciplinary understanding of the fields of transportation and mobility for people and goods, covering the full range of modes (automobile, urban mass transit, walking, bicycle, rail, air), at different regional scales.

— A Master’s degree working to promote the widespread adoption of sustainable modes of governance by training tomorrow’s global leaders in urban planning and design on issues related to transportation systems. The aim is for students to acquire a practical knowledge of skills they can apply to reconcile transportation needs with sustainable development goals.

— Education informed by ongoing research, part of PSL’s graduate program in Engineering (ISAI).

— Enrolled students from many different countries, helping foster an open-minded approach. Selected from the best universities, the students come to this Master’s program with very diverse cultures, issues, and approaches to reasoning; their interaction represents a very valuable asset.

LEARNING OUTCOMES

— Identify, analyze, and predict the factors that determine transportation demand.

— Analyze a transportation problem in its full complexity, so as to be able to define and conduct a transportation policy and/or project within the framework of regional land use planning, urban policies, safety and congestion issues, and local or global pollution.

— Work with all involved stakeholders to produce a regional diagnostic, addressing economic, social, and environmental aspects.

— Master the professional tools and instruments needed in the field of transportation and development.
2 courses of study offered, with a core curriculum
Transportation and sustainable development (TraDD)
— Transportation and sustainable development: the issues
— Analysis of demand & sustainability in modes of transportation
— Digital tools and engineering for sustainable transportation
— Sustainable transportation economy
— Management of sustainable transportation projects
Transportation and mobility (TM)
— Transportation and mobility: issues and prospects
— Methods in transportation, urban planning, development
  transportation, urban planning, development
Languages and Humanities and Social Sciences:
Internships or M1 topic

3 TraDD concentrations
— Mobility service design
— Freight transportation and logistics
— Eco-design of vehicles and transportation infrastructure
3 TM optional courses
— Transportation, development and urban planning: Urban
  transportation plans, hubs, active mobility options, travel safety,
  etc.
— Design and operation of transportation systems
— Freight transportation

Languages and Humanities and Social Sciences:
Internships and final dissertation (5–6 months)
Research track

INSTRUCTIONAL CONTENT
The Transportation and Mobility course of study focuses on the interactions between development, urban planning, and mobility. The Transportation and Sustainable Development course considers issues related to mobility through the lens of sustainable development, emphasizing innovative mobility service design tools based on digital technologies.

OPPORTUNITIES
Students move quickly into engineering roles or positions with high levels of managerial responsibility, with jobs such as:
— Mobility project manager for a local government or mobility organizing authority.
— Sustainable mobility service and vehicle designer with one of the traditional players (manufacturer, network manager) or an information technology-based company.
— Transportation and mobility project manager for a civil engineering company or an engineering consulting firm.
— Operator of transportation service or infrastructure, involved in operational production of transportation.
— Auditor and manager of sustainable development policy for a transportation service company (Transportation and Sustainable Development track only).

ADMISSIONS
Desired background for M1
— Holds a 3-year undergraduate degree (BAC+3, 180 ECTS credits) or equivalent in engineering science, economics, or geography.
— Has completed mathematics equivalent to the level of a BS (Bachelor of Science).
— Applicants who are not native speakers of French must be able to read, speak, and understand French, as demonstrated by a minimum B2 level of language mastery.
Selection process
Based on an application and interview.

DIPLOMA DELIVERED
National master’s degree delivered by Université PSL, co-accredited with École d’Urbanisme de Paris (Universités Paris Est Créteil and Gustave Eiffel), École des Ponts ParisTech and Institut Polytechnique de Paris.

TEACHING LOCATIONS
Classes are taught on the campuses of the various schools participating in the course:
— Mines ParisTech-PSL
— École d’Urbanisme de Paris (Universités Paris Est Créteil and Gustave Eiffel)
— École des Ponts ParisTech
— Institut Polytechnique de Paris

More information
psl.eu/en/education/masters-degree-transportation-mobility-networks

Contact
Head of the master’s program: Emeric FORTIN, École des Ponts ParisTech

Université PSL
psl.eu
f @PSLuniv
g @psl_univ
The Master’s degree program in Wealth Management at Dauphine – PSL is designed to produce specialists in wealth management who can advise their clients on building, optimizing and passing on their financial assets at the various stages of life. Graduates gain threefold competence – in tax law, economics and finance and commercial practices – that allows them to interpret and explain the financial, legal and tax environment for their clients and guide them through the world of investment opportunities. The Master’s degree is part of PSL’s graduate program in Finance.

**MAIN ASSETS**

— A curriculum that is designed to provide students with a comprehensive course of study that includes a concentration from the outset of the program.

— Thanks to its information-rich coursework, the Master’s degree opens the door to a wide array of careers in wealth management.

— A curriculum that produces experts with immediate added value for recruiters, including demonstrated commercial skills.

— A full-time internship lasting at least six months (for full-time students in initial training), or a work-study program for a curriculum that is tailored to students’ professional lives.

— Partnerships with renowned companies that allow for top-level technical supervision and a wide selection of internships and work-study programs: La Banque Postale, BNP Paribas, BRED, Crédit Agricole, LCL, Société Générale, BPCE, Rothschild, Axa, Banque Neuflize, RSM, Herez, HSBC and more.

— A study program that is structured to allow for international exchanges lasting a semester or a full year.

**LEARNING OUTCOMES**

— Threefold expertise in law and taxation, economics and finance and commercial practices.

— Familiarity with the legal and tax ramifications, both in France and worldwide, of wealth creation, management and transfer (savings and pension schemes); marital regimes and family law; and transfer of personal and professional assets.

— Familiarity with the economic and financial aspects of wealth management. Familiarity with preparations for retirement, fund selection, investment strategies and securities management, life insurance, financial appraisal of property assets, and other types of assets such as art investments, vineyards, etc.

— Commercial skills to ensure that students become demonstrated experts, with immediate added value for recruiters.
Master's Year 1 (M1; 60 ECTS)

- Semester 1 / Required courses
  - Corporate Taxation and Taxation of Business Assets
  - Economics of Savings
  - Social Engineering
  - Asset-Backed Credit Analysis
  - Life Insurance Contracts and Their Civil and Tax Risks
  - Drama – Communication 1
  - Derivatives
  - Wealth and Real Estate Investment
  - Choosing a Portfolio
  - Remedial study in Finance or Law
  - Social Protection

- Semester 2 / Required courses
  - Communication 2 and Overall Wealth Management Strategy
  - Insurance Law
  - Wealth Management Case Study
  - TOEIC English / Introduction to English Law
  - Civil Societies
  - Major Contemporary Economic Issues
  - Wealth Management Case Study: Civil and Tax Law Interaction
  - International Finance
  - Business Law
  - Apprenticeship or Thesis

Master's Year 2 (M2; 60 ECTS)

- Semester 3 / Required courses
  - The Art Market
  - Private Wealth Management and Transfer, Case Study 2
  - Financial Criminal Law
  - Short-Term Analysis
  - Property Asset Finance
  - Interest Rate Products and Markets and Bloomberg
  - Corporate Finance
  - Private International Law
  - Private Assets of Business Owners
  - Remedial study in Finance or Law
  - Private Wealth Management and Transfer, Case Study 1

- Semester 4 / Required courses
  - The Human Side of Wealth Management
  - Blended Families
  - Structured Products
  - Business Law: Wealth Management Tools
  - Business Techniques: Practical Cases in Wealth Management
  - Luxembourg Seminar Study Tour
  - Financial Engineering
  - General Culture
  - International Tax Law in Wealth Management
  - Conferences
  - Apprenticeship or Thesis

INSTRUCTIONAL CONTENT
The first-year curriculum focuses on knowledge and skills bases to be acquired in accordance with the program objectives (tax law, economics and finance, tools for wealth management). In the second year this is supplemented with electives designed to expand the scope of the core businesses studied: vineyard assets, the art market, private assets of business owners, medium- and long-term savings in Europe. This curriculum can be taken over three years beginning in the third year of the undergraduate program.

OPPORTUNITIES
The Master’s degree program produces high-level professionals trained for the following careers in wealth management: analyst, private banker, private banking advisor, wealth management advisor.

ADMISSIONS
Prerequisites Master’s Year 1: A three-year undergraduate degree (BAC+3, 180 ECTS credits) or the equivalent, obtained at Dauphine or another university or institution of higher learning, in one of the following fields: management, law, economics or social sciences.

Selection process: Based on an application in the first year. Based on an application and interview in the second year. The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

DIPLOMA DELIVERED
Institutional Master’s degree conferred by Université PSL and prepared at Dauphine – PSL.

TEACHING LOCATION
Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016 Paris

More information
dauphine.psl.eu/en/training/masters-degrees/wealth-management

Contacts
Heads of the master’s program: Frédéric GONAND, Wealth Management Institute Director, Amélie DE BRYAS, Wealth Management Institute Assistant Director
École Normale Supérieure – PSL offers a top-notch education in research, science, and humanities in collaboration with the leading international universities. This program of education through research is also part of the PSL graduate programs. Every ENS student receives individual mentoring and develops their own personal course of study, in which interdisciplinarity is encouraged. This academic freedom is paired with a very flexible approach to organizing the curriculum, students’ plans and preferences can be integrated through laboratory internships, study abroad, and field experiences in public organizations, companies, or non-profits.

**MAIN ASSETS**

— **Intellectual freedom and individual mentoring:** every student is supervised and advised throughout their education by a mentor (research professor or researcher), with whom they work to develop a curriculum each year. The principle of freedom, which is the very foundation of the intellectual formation provided by ENS, also allows ENS students to expand their education by studying or learning at a university or school abroad, to acquire new skills or reorient toward a new discipline.

— **The ideal of interdisciplinarity:** the coexistence of scientists and literary students in the same environment, as well as the depth and breadth of fields covered by the school’s classes, offer a strong incentive for ENS students to design an interdisciplinarity curriculum. Classes are organized in a way that invites them to delve deeper into their discipline while also exploring its furthest horizons.

— **Research-based training:** the faculty is made up of research professors who share the latest advances in their work with their students, and even involve them in that work. Many renowned guest professors and researchers from outside France also introduce ENS students to cutting-edge research in their field.

— **A school with a global outlook:** right from the start, ENS students are introduced to the diversity of international university systems and actively encouraged to learn and improve their foreign languages. They are expected to become international students able to work anywhere in the world. In addition, they study side by side with many international students and researchers every day on campus. Finally, with over 200 partnerships with universities around the globe, each year the school sends students to all continents for internships and research or study abroad.

**A CAMPUS IN THE HEART OF PARIS**

ENS-PSL is a world-renowned research university that is unparalleled in the quality of its students, the education it offers, and the coexistence of highly varied disciplines within its walls. The ENS campuses in the heart of Paris provide an immensely rich intellectual and scientific environment, boasting daily contact with the most advanced research and a connection to international university life.
A PERSONALIZED ACADEMIC PATH
All students at ENS build their own course of study to reflect their own interests and plans. At the same time, this “à la carte” education is constrained by the requirements of the ENS diploma, which include students earning units in one or more disciplines outside of their major. Broadening experiences are also central to the program: these can include professional experiences (teaching internships, volunteer positions with a non-profit, internships in companies or public administration), crossdisciplinary experiences, group research experiences, international experience (teaching assistantships, research exchanges) facilitated by the school’s many partnerships with prestigious universities around the globe.

OPPORTUNITIES
The school prepares students for high-level careers in the public and corporate sectors in France and abroad. With one of the highest employment rates in French higher education, ENS offers a broad selection of opportunities, both academic (in higher education and research) and non-academic (in companies and government positions, or through entrepreneurship). After completing their ENS education, more than 70% of students begin work on a doctoral dissertation.

SCIENCE & HUMANITIES
The depth, breadth, and organization of fields at the school, divided into science and humanities and into teaching and research departments, enable students to explore the furthest horizons of their discipline and develop a highly interdisciplinary intellectual approach.
List of departments:
— Humanities: Economics, Geography & Territories, History, Arts (Theory and Practice), Languages and Literature, Philosophy, Science of Antiquity, Social Science, Exploring Other Cultures and Languages (crosscutting department).
— Science: Biology, Mathematics, Computer Science, Geoscience, Chemistry, Physics, Cognitive Science.

ADMISSIONS
Admissions for both Science and Humanities follows 3 separate paths:
— CPGE preparatory classes for Grandes Écoles competitive exams
— ENS students competitive entrance exams
— International selection competitive entrance exams
ENS admits unique, brilliant, creative minds through each of these pathways.

DIPLOMA DELIVERED
Institutional Master’s degree conferred by Université PSL and prepared at ENS-PSL.

More information
• ens.psl.eu/en/academics/academic-programs/ens-graduate-degree
• Detailed curriculum

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HUMANITIES, ARTS
The Master’s Degree in Archives (Digital Technologies Applied to History) offered by École Nationale des Chartes–PSL is built around the scientific challenges of using digital technologies to process sources (objects, text, images) in service of history and heritage. Established in 2006, this Master’s program is designed to train students in methods of analyzing historical and literary sources and in digital technology that they can use in their research, as preparation for a career in the use of information technology to process and enhance our written and visual heritage. This Master’s degree is part of PSL’s Translitterae graduate program.

**MAIN ASSETS**

— **An innovative curriculum** designed to help students acquire skills in both the humanities and social sciences and information and communication technologies, and offering a range of teaching formats (seminars, lectures, tours, etc.).

— **An internationally-oriented Master’s program** that includes a partnership with the School of Library and Information Science (EBSI) at the Université de Montréal and allows students to obtain a dual degree in three years.

— **A lengthy internship or research thesis** in the second year of the degree program. Students in the professional track must successfully complete an internship with a heritage institution, research team in the humanities or social sciences or private-sector business. In the research track, students are expected to complete a written thesis in history, art history or literature in which digital processing plays a role.

— **A campus life in the very heart of Paris,** benefiting from the opportunities available at PSL to meet students from several institutions and move among a variety of campuses.

— **An excellent record of career success:** 95% of the program’s graduates find employment within six months of obtaining their degree.

**LEARNING OUTCOMES**

In the first year, the program offers basic general instruction in historical sources and heritage documents from the Middle Ages to the present day. In the second year, students receive more in-depth training in information and communication technology. On completing the two-year program, students will have acquired a methodology for research and heritage management in which digital technology plays a primary role.

**TEACHING LOCATION**

All of the courses are given at the École nationale des chartes – PSL, 65 rue de Richelieu, 75002 Paris.
Master's Year 1 (M1; 60 ECTS)

In the first year (M1), all students take a general core curriculum supplemented with optional courses.

**Core curriculum**
- Sources and History of Sources
- Institutions and History of Institutions
- Digital Humanities
- Concentration: Books and Media or Archives
- Modern language

**Optional courses**

Master's Year 2 (M2; 60 ECTS)

The second year (M2) is used to teach information and communication technologies. In the first semester, students learn the basics of digital technology and how it can be applied to primary sources. In the second semester, students work on a special project that will depend on their chosen track.

**Professional track**
Students perform a long-term internship in France or abroad that must involve a digital project (XML template, database, electronic source publishing, dynamic web application, etc.) related to heritage artifacts or collections.

**Research track**
Students write a research thesis that uses digital technology on behalf of history and heritage.

OPPORTUNITIES
The Master’s degree offers varied career opportunities within many different organizations:
- private organizations (companies providing IT engineering services, archives departments at large companies, etc.).
- Heritage institutions and statutory bodies.
- Research laboratories with projects in the digital humanities.

EXECUTIVE EDUCATION AND VAE
The Master’s degree may be obtained using the Validation of Experiential Learning (VAE) procedure and can also be taken through the executive education program. For more information: chartes.psl.eu/fr/rubrique-formation-continue/validation-acquis-experience-professionnelle.

ADMISSIONS

**Prerequisites**
This Master’s program is designed in particular for students who hold a Bachelor’s degree or the equivalent in one of the following areas:
- History
- Art history
- Classics
- Modern literature
- Law

Admission to the second year is reserved for students who have completed the first year of a Master’s degree (M1) at École Nationale des Chartes or another institution and have a background in history or literature.

**Selection process**
Based on an application and interview.

DIPLOMA DELIVERED
National Master’s degree conferred by Université PSL and prepared at École nationale des chartes–PSL.

More information
chartes.psl.eu/fr/cursus/master-technologies-numeriques-appliquees-histoire

Contact
Head of the master's program: Edouard VASSEUR
Director of studies: Thibault CLERICE (thibault.clerice@chartes.psl.eu)
The Master’s degree in Art History and Archeology from Université PSL, hosted by EPHE-PSL, offers leading-edge training focused on research and documents, all in the heart of Paris. The wealth of lectures held at EPHE-PSL provides quality teaching. The curriculum, featuring seminars in art history and archeology that in most cases are given at the Institut National d’Histoire de l’Art (INHA), capitalizes on the program’s proximity to specialized libraries (notably the INHA library) and France’s heritage collections (such as the Musée du Louvre and the Bibliothèque Nationale de France). The onsite libraries make it easier for students to prepare textual commentaries and master bibliographical resources. Individual tutoring allows students to make optimal use of the resources available. Part of PSL’s graduate programs in Historical Sciences, this Master’s degree is designed to train specialists in art history and archeology on a research-based education. It operates in partnership with research centers that are overseen solely or jointly by EPHE-PSL and that play an active role in the field.

**MAIN ASSETS**

— **An emphasis on research-based training**, with a time investment compatible with intensive work in the library and on documents.
— **Immersion in EPHE-PSL conferences** with direct access to documentation.
— **A strong methodological framework** in which students are brought up to the same level in art history and archeology during Year 1.
— **An international study environment** that includes students from outside France, particularly in the international track, with its focus on southern Italy in archeology and art history, and especially in the AMAC track (Arts, Museology, Curatorial Activities) slated to launch in the 2021–2022 academic year.
— **Training that is recognized for the quality of the internships** performed in museums and at archaeological sites.
— **A convenient base for doing work in central Paris**: thanks to the INHA’s location, students can make the most of opportunities for networking and symposia.
— **An unparalleled campus life in the very heart of Paris**, benefiting from the opportunities available at Université PSL to meet students from several institutions and move among a variety of campuses.

**LEARNING OUTCOMES**

The first year of this Master’s program offers comprehensive training in art history and archeology that is designed to help students master basic methodology across a broad chronological and thematic range and guide them gradually toward specialized study. The program also places an emphasis on oral skills through public presentations in the form of a major oral examination at the end of both the first semester (topical bibliography) and the second semester (commentary), including short written reports. The second year is focused on preparing the research thesis, which is defended before a jury at the end of the year. The work in research libraries serves as preparation for that written work. The internship, which is arranged as opportunities arise during academic activities, is equivalent to one credit unit.

**OPPORTUNITIES**

— Doctorate in art history or archeology.
— Careers and competitive exams in the heritage sector.
### Master’s year 1 (60 ECTS)

Two academic tracks are available
- Art History and Archeology
- Archeology and Art History (international track)

**Final oral exam**
- 1st semester: bibliography
- 2nd semester: commentary

**Mini-theses**

### Master’s year 2 (60 ECTS)

3 academic tracks are available
- Art History
- Archeology
- Archeology and Art History (with one or two semesters at the University of Basilicata in Matera, Italy)
- Starting in 2021-2022: Art, Museology and Curatorial Activities (international track; dual degree with the University of Bologna)

**Research thesis**

**Years 1 & 2: research seminars + internship**

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### Academic Tracks

**Master’s year 1**
- M1 Art History and Archeology
  This track includes the seminar of the Research Director, two presentations of the mini-theses in the form of a final oral exam, a methodology course as well as courses opening up to other disciplines or ancient languages and a language course, while maintaining a high flexibility in orientation.
- M1 Archeology and Art History (French-Italian international track)
  Students enrolled in the EPHE - PSL in France for the international program follow the same courses as for the national program. They must imperatively choose a language course in Italian.

**Master’s year 2**
- M2 Art History
  This course includes the seminar of the Research Director, as well as introductory seminars. Focused on the writing of the final thesis, it aims at acquiring the methods and necessary tools for research work in art history.
- M2 Archeology
  The track covers the archaeology of the ancient worlds of Europe and the Mediterranean, from the Protohistory to Islamic archaeology. In addition to research seminars, students receive practical training through internships in prospecting, excavation and study in a series of dedicated sites as well as in heritage institutions.
- M2 Archeology and Art History (Franco-Italian international track)
  Concentration in the fields of archaeology and Italian art History and possibly archaeology of the western and central Mediterranean. Students spend at least one semester at the University of Basilicata, where they follow the courses best suited to the chosen concentration and begin preparing their thesis. They can participate in the archaeological workcamps proposed by the University of Basilicata and the EPHE – PSL in Southern Italy.

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### Admissions

**Prerequisites**
- Master’s year 1: Students who hold a Bachelor’s degree in art history and archeology, history, literature, philosophy, humanities, anthropology, social sciences or political science, or who have obtained 180 ECTS from a Bachelor’s-level program or the equivalent. Students from the École du Louvre are especially encouraged to apply.
- A certificate of proficiency in French is needed for degrees obtained outside France.

**Master’s year 2:** first year of a master’s degree or equivalent in the fields of study mentioned above.

**Selection process:** based on application

### Locations of Training

In the heart of Paris, on the INHA campus (2 rue Vivienne, 75002 Paris), and for 2nd year international students, in Matera, Italy, on the campus of the University of Basilicata.

### Diploma Delivered

National master’s degree conferred by Université PSL and prepared at EPHE – PSL.

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**More information**
psl.eu/en/education/master-art-history-and-archeology

**Contact**
Head of the master’s program: François Queyrel (francois.queyrel@ephe.psl.eu)

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Université PSL
psl.eu

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@psl_univ
Launched in 2019, the Master’s degree in Asian Studies from Université PSL offers France’s most extensive advanced training in Asian studies. This multidisciplinary curriculum coupled with research in the humanities and social sciences is a collaborative effort between the École Pratique des Hautes Études – PSL (EPHE-PSL), the French School of Asian Studies (EFEO) and the School of Advanced Studies in the Social Sciences (EHESS). It aims to develop researchers and experts who can reflect critically on the specific nature and characteristics of Asian societies over time.

This master’s degree is part of the graduate programs in Historical Sciences and Religious Studies.

**MAIN ASSETS**

- **An interdisciplinary seminar** on the core curriculum, coordinated and taught by a lecturer. The seminar focuses on cross-disciplinary topics and includes appearances by guest lecturers.
- **Classes devoted to research methodology and writing in the social sciences** (bibliographical tools, sources, observation and field work, written and oral communication, etc.) to develop the core curriculum.
- **Special access to training in the digital humanities.**
- **Immersions in ongoing research:** access to more than 100 seminars on specialized topics and research at EPHE-PSL, EFEO and EHESS as well as other institutions (introductory seminars).
- **Participation in international networks:** student training and research activities will draw on the network of EFEO’s research centers and France’s research institutes (UMIFREs) located in Asia, along with their local partner universities.
- **Personalized support for students from researchers and instructors:** academic tutors serve as the primary support resource for students throughout their Master’s experience. In particular, they monitor each student’s academic progress and verify their level of mastery of the ancient or modern languages they need for specific projects.
- **An unparalleled campus life in the very heart of Paris,** benefiting from the opportunities offered by PSL to meet students from several schools and move among a variety of campuses.

**LEARNING OUTCOMES**

The goal of this Master’s degree program is to provide students with the tools they need in order to understand and study the Asian world in all its complexity over time. They will acquire in-depth knowledge of specific periods, regions or topics as well as disciplinary skills in fields such as history, sociology, anthropology, geography and economics as well as paleography, art history, archeology and the study of religions. The faculty, which brings together nearly 120 research professors whose work focuses on Asia, has developed a demanding curriculum in Asian studies in cooperation with top-ranked research centers in the humanities and social sciences.

**CAREER OPPORTUNITIES**

The Asian Studies Master’s degree program primarily provides training in conducting research, both for students who wish to pursue doctoral studies (higher education and research) and students planning a career that interacts with the world of research (librarians, journalists, archivists, teachers in high school, curators, design or research engineers, etc.).
ACADEMIC TRACKS (MASTER 1)

The program is structured into two academic tracks that reflect different scholarly traditions in approaching Asian societies. Although these two tracks both take a history-based approach, they each have a distinct (but complementary) historical focus. In particular, they differ in the types of disciplinary approach they follow, their periods of reference, the methodological tools they use for analysis and, first and foremost, the topics they cover.

— Track 1: “History and Social Science: Sites, Texts and Images” (EHESS and EFEO)
This academic track is for students who wish to develop their research in connection with modern and contemporary Asia. Applying basic disciplines to a range of cultural areas using a method unique to the program, this track focuses on a host of societal issues examined from a comprehensive and firmly comparative perspective, with an emphasis on the flow and transfer of ideas, debate and cross-disciplinarity in the social sciences.

— Track 2: “History, Philology and Religion” (EPHE–PSL and EFEO)
This course of study, developed by EPHE-PSL in collaboration with EFEO, is aimed at students who wish to conduct research on ancient Asia based on a thorough understanding of written or material sources and using methods specific to philology, paleography, archeology and epigraphy. In particular, the emphasis is laid on analyzing primary source materials, generally written in the various Asian languages. This track also devotes particular attention to the study of religious phenomena over time.

ADMISSION

Prerequisites
Master 1: Bachelor’s degree in humanities and social sciences or 180 ECTS in those fields of study. Proficiency in an Asian language is give applicants an edge and may be required for some research projects. A certificate of proficiency in French is needed for degrees obtained outside France.

Selection process
Based on application.

DIPLOMA DELIVERED

National master’s degree conferred by Université PSL and prepared at EPHE – PSL.

More information
psl.eu/en/education/masters-degree-asian-studies

Contact
— History, Philology and Religion track: Olivier Venture
  (olivier.venture@ephe.psl.eu)
— History and Social Science track: Rémy Delage
  (remy.delage@ehess.fr)
The Master’s degree in Civilizations, Culture and Society from Université PSL is centered on the study of historical, linguistic, religious, political, social, intellectual and other aspects of civilizations and cultures, primarily in Europe and the Mediterranean basin. It is both synchronic, examining these cultures from the angle of their internal dynamics and relations with the outside world, and diachronic, proceeding from ancient times to the present day. The program combines approaches rooted in scholarship (primarily philology, epigraphy, archeology and archival studies, but also papyrology, numismatics, heraldry and iconography) with data processing methods specific to the humanities and social sciences. The wealth of lectures held at EPHE-PSL provides instruction.

This Master’s program is part of the following graduate programs: Historical Sciences and Religious Studies.

MAIN ASSETS

— Immersion in an advanced international research environment, working closely with major libraries and top-rated research teams.
— An exceptionally wide range of basic and specialized instruction (seven academic tracks in the first year of the Master’s program, eight in the second year), given by internationally renowned researchers and teachers.
— Training in the scholarly sciences that is unique in France, involving the direct use of primary sources (texts, objects, monuments).
— An unparalleled campus life in the very heart of Paris, benefiting from the opportunities to meet students from several institutions and move among a variety of PSL campuses.

LEARNING OUTCOMES

The purpose of this Master’s program is to provide students with both general and technical knowledge as well as the necessary disciplinary and transdisciplinary skills for conducting independent research as part of a doctoral project or other activity in which knowledge production plays a major role. In other words, it aims to produce research professors in secondary and higher education who have a thorough command of research methods and tools, as well as practitioners in fields such as heritage, the media and publishing, cultural communication and tourism.

OPPORTUNITIES

— Doctorate: The top-performing students will be able to apply for a doctoral contract (funded by an institution of higher education, a private organization or a government). The topic of research, the adviser’s area of concentration and the student’s academic track will determine the discipline in which the PhD is carried out.
— Careers in the tertiary sector, particularly those connected with heritage, media, publishing, cultural communication and tourism.

TEACHING LOCATIONS

The instruction is given in the heart of Paris on the campuses of the PSL schools that are partners in the program.
CURRICULUM

Master's Year 1 (M1; 60 ECTS)

7 academic tracks
— The Ancient Mediterranean and Near East: Languages, History and Religions
— Medieval Studies: Texts, Cultures and Religions
— Modern and Contemporary Europe: Religions, Cultures and Politics
— Geohistory and Geopolitics: Places, Cultures and Powers
— Judaism and Jewish History and Culture: Sources and Heritage
— Islamic Studies and the Muslim World
— Historical Linguistics and Linguistic Typology

Core course (methodology and digital humanities)
Research seminars
Research work

Master's Year 2 (M2; 60 ECTS)

8 academic tracks
— 7 courses already proposed in M1 (see opposite)
— Political and Cultural History of Medieval, Modern and Contemporary Europe (European track)

Research seminars
Internship
Research paper

ACADEMIC TRACKS

— Mediterranean and Near Eastern Antiquity languages, history, religions: this track aims to offer a complete knowledge of Antiquity, from the end of the IVth millennium B.C. to late Antiquity. It covers all the Mediterranean and Near Eastern areas in their linguistic, historical, philosophical and religious from their dimension angles (polytheisms as well as monotheisms).

— Medieval Studies — texts, cultures and religions: this track brings together teachings related to the Middle Ages. It covers the medieval millennium and, geographically, the medieval West, Byzantium and the eastern Christianity, with lesson on the Hebrew and Arab-Muslim worlds in the Middle Ages.

— Modern and contemporary Europe — religions, cultures, politics: the track is characterized by a strong interdisciplinarity with a large scope in chronology (modern and contemporary periods) and space (Western Europe, Germanic world, Mediterranean and Ottoman empire etc.).

— Historical linguistics and typology of languages: the curriculum is based on the practical teaching of linguistic methods and theories, particularly in historical and comparative linguistics and typology of the languages of the world. The aim is to provide training in the methods of linguistic analysis based on textual sources (manuscripts, epigraphy) as well as on oral documents collected through field surveys.

— Geohistory and geopolitics — spaces, cultures, powers: in conjunction with the Ecole de Guerre de Paris, this track explores the multiple interactions between the geographical framework (both physical and cultural), forms of power and politico-strategic relations. It covers the modern and contemporary periods without a priori geographical restrictions.

— History and Culture of the Jews and Judaism — Sources and Heritage: the curriculum provides training in the fields of Jewish history and the sources, practices and heritage of Judaism, integrating theoretical teaching with practical research. This track is linked to the course in Jewish studies of the master’s degree in “Religious Sciences and Society”.

— Islamology and Muslim Worlds: the track aims to give students a high level education both in Islam itself — moral theology and Law, Sufism, Koranic exegesis, hadith — and in the history of medieval and modern societies (Ayyubids, Ottomans) as well as the history of the Arabic language, the Arabic book and architecture.

ADMISSION

Prerequisites / Master 1: Bachelor's degree in Humanities (History; Art History and Archeology; Philosophy; Literature; Language Sciences; Theology; Human Sciences: anthropology, ethnology; Law; Political Science; Musicology; World and Regional Literature and Civilizations) or 180 ECTS credits from a Bachelor’s-level curriculum in the humanities and social sciences or arts, literatures and languages, or the equivalent.

A certificate of proficiency in French is needed for degrees obtained outside France.

Selection process: Based on application

DIPLOMA DELIVERED

National master's degree conferred by Université PSL and prepared at EPHE – PSL.

More information
psl.eu/en/education/master-civilizations-culture-and-society

Contact
Head of the master's program: Michel-Yves PERRIN
(michel-yves.perrin@ephe.psl.eu)

Université PSL
psl.eu

École Pratique des Hautes Études | PSL
With the 2017–2018 academic year, Université PSL introduced a new Master’s degree in the Digital Humanities, the result of a collaboration between École Nationale des Chartes–PSL, École Normale Supérieure–PSL, École Pratique des Hautes Études–PSL and École des Hautes Études en Sciences Sociales. Designed for university graduates seeking to expand their knowledge of their discipline (history and philology, literature, etc.), the program is intended to teach students how to mine and analyze humanities data, so they can acquire the critical dual skillsets required to conduct independent research in the digital and computational humanities. This Master’s program is part of the following PSL graduate programs: Translitterae, Historical Sciences and Religious Studies.

**LEARNING OUTCOMES**

Ranging beyond the usual spectrum of the digital humanities, this Master’s program is firmly committed to new computational applications and the use of data to develop new areas of knowledge within the humanities and social sciences. It combines a demanding curriculum in that area, including courses at the four partnering institutions, with training in problems, methods and tools used in data research and analysis (algorithms, quantitative methods, modeling, artificial intelligence).

**CAREER OPPORTUNITIES**

Strongly focused on research, this Master’s program is primarily designed to train students who wish to pursue a PhD. Its goal is to provide the skills they will need in both their discipline and in digital methods to conduct their research independently. The program will serve as preparation for a career in research and higher education (researchers, research engineers) or data expertise in the humanities and social sciences.

**MAIN ASSETS**

— A core curriculum for acquiring a thorough knowledge of digital technology and computational methods for research.

— A concentration in the methods used in each student’s discipline (e.g., automated language processing, digital philology, network analysis, etc.).

— Research seminars as well as a supplemental career training module for students. Students in the second year of the Master’s program will have the opportunity to present their work to first-year students during a seminar.

— A research thesis. In the first year, students conduct a data structuring and analysis project. In the second year, they carry out a project that deploys their disciplinary and digital skills, supervised by a research director and a specialist in the digital humanities. The thesis must make use of digital technology on behalf of the research topic.
In the first year, students take a core curriculum in the digital humanities, coupled with courses specific to their discipline (history, philology, literature, etc.).

— 40 ECTS credits in the humanities and social sciences, in a partner school or institute;
— 20 ECTS credits in the digital humanities: introduction, basic instruction in computer science, data modeling and structuring (XML, databases) and quantitative methods, as well as a Master’s research seminar.

The first year of the program culminates in an initial research project that combines the student’s concentration with computational methods.

Refresher training in mathematics is available for any students who may need it.

The second year of the Master’s degree is built around a core curriculum, supplemented with optional courses and seminars that allow each student to study their concentration in more depth using the methods specific to their disciplinary field. Students in the second year of the Master’s program have the opportunity to present their work to first-year students during a seminar.

In the second year, students write and present a research thesis, supervised by a director in the student’s area of specialty and a tutor for digital issues. The thesis must make use of digital technology on behalf of the research process. A laboratory internship (lasting no more than two months) gives students the opportunity to learn about the collaborative group nature of research careers.

More information
chartes.psl.eu/fr/cursus/master-humanitesnumeriques

Contact
Head of the master’s program: Jean-Baptiste Camps
jean-baptiste.camps@chartes.psl.eu

Université PSL
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The Master's degree in Humanities from Université PSL offers training in high-level research in the field of the humanities. This program, a collaborative effort by the literature and humanities and social science departments and research laboratories at the École Normale Supérieure – PSL and the École nationale des chartes – PSL, offers leading-edge training in research in literature and the humanities, with an emphasis on interdisciplinarity dialogue and an international perspective. This master’s degree is part of the following PSL’s graduate programs: Arts, Historical Sciences and Translitterae.

### MAIN ASSETS
- An unprecedented collaboration among some of the French most prestigious institutions in the fields of literature and the humanities.
- Exceptionally close ties to laboratories boasting an international reputation.
- Interdisciplinary training, thanks to the ability to move among different academic tracks.
- An international environment created by students, researchers and guest academics.
- An unparalleled campus life in the very heart of Paris, benefiting from the opportunities offered by PSL to meet students from several schools and move among a variety of campuses.

### LEARNING OUTCOMES
The Master’s degree offers an in-depth training in the Humanities. Although it implies, from M1 onwards, the choice of one of the six concentrations offered by the program, each of them includes teaching from the other courses, so that the program remains multidisciplinary and covers different angles in the Humanities – Literature, Arts, History, or Geopolitics – and covers a wide range of studies chronologically and geographically speaking.

### CAREER OPPORTUNITIES
Depending on the student’s chosen track:
- Higher education and research.
- Careers in cultural programs, the civil service, diplomacy and international relations.

### DIPLOMA DELIVERED
National master’s degree conferred by Université PSL and prepared at ENS-PSL.
MASTER’S PROGRAM

6 tracks available:
— Literature: Theory and History
— Arts: Theory and Practice
— Transnational History
— The Ancient World: Archeology and History
— The Ancient World: Languages, Texts and Images
— The Middle East and the Mediterranean

Tracks and opening seminars
Foreign languages courses (depending on chosen track)
Research thesis (depending on chosen track)

ACADEMIC TRACKS (MASTER 1)

— Literature: Theory and History
Objective: to initiate and train in research in the field of literary studies through both a theoretical and historical approach to the literary fact, according to an extended chronology, from the Middle Ages to the extreme-contemporary. Based on the comparative history of so-called “national” literatures in French, English, German, Spanish, Italian, Russian or Arabic, the training focuses on interaction with philosophy, history, arts and social sciences, in the international and interdisciplinary context of “cultural transfers”.

— Arts: Theory and Practice
Objective: to offer a course that combines art history, performing arts, musicology and film studies. This course encompasses research in the plurality of its angles (workshops, internships, theoretical reflection and writing) and is aimed primarily at students whose research projects are at the interface of at least two artistic disciplines.

— Transnational History
Objective: to initiate and train in research in the field of transnational history, whose issues intersect with those of global, imperial, connected, cross-cultural history and cultural transfers. The track combines the requirements of advanced empirical research in archives with a broader methodological and historiographical perspective, informed by the social sciences. International mobility and the learning of foreign languages are central to the curriculum.

— The Ancient World: Archeology and History
Objective: to initiate research in the field of archaeology and the history of Antiquity under different angles by an approach combining the use of material sources and the analysis of textual sources. This track, which is primarily archaeological and historical, also aims to provide an introduction to the tools and methods of the philology of ancient languages and cultures.

— The Ancient World: Languages, Texts and Images
Objective: to initiate research in the field of the philology of Antiquity in its different aspects, linguistic, textual and iconographic, through an approach that combines the use of documentary sources and analysis tools to define them in their context of production and transmission. This predominantly philological approach also aims to provide an initiation to the tools and methods of archaeology and the history of Antiquity.

— The Middle East and the Mediterranean
Objective: to train, through research, specialists in the contemporary Muslim world following a multidisciplinary approach to territories, social groups, rivalries between States and the cultural production of the Arab, Turkish and Iranian worlds and of Islam in Europe and, in relation to these territories, of Islam in sub-Saharan Africa.

— Geography and geopolitics (opening of Master’s year 2 in 2020 and Master’s year 1 in 2021)
Objective: to enable students, not necessarily trained geographers, to learn about geopolitics, i.e. the spatial and the study of political phenomena on a territory at all scales, in order to better understand and act in the contemporary world.

ADMISSION

Prerequisites
Master’s year 1: Students who hold a Bachelor’s degree (or the equivalent) in literature or the humanities (art history, film, musicology, performing arts, history, geography, archeology, modern languages, etc.)

Selection process
Based on an application or an application and interview (depending on tracks).

More information
psl.eu/en/education/masters-degree-humanities

Contact
Head of the master’s program: Dominique Combe (mention-humanites@ens.fr)

Université PSL
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The result of a close collaboration between the École Normale Supérieure – PSL, the EPHE – PSL, the Observatoire de Paris – PSL and the EHESS, the Master’s degree in Philosophy from Université PSL offers training that is noted for its excellence. The program draws on the philosophy laboratories at ENS – PSL, EPHE – PSL and EHESS as well as the research centers of partner institutions. It is also part of PSL’s graduate programs in Religious studies and Translitterae. The program aims to train specialists in philosophy in a broad sense, preparing students for careers in teaching and academic research in philosophy as well as in the various fields that seek students with a background in philosophy (journalism, media, publishing, consulting).

**MAIN ASSETS**

— Unprecedented collaboration among some of the French most prestigious institutions in the field of philosophy.

— Participation in advanced research laboratories that partner with numerous institutions worldwide: Institut Jean Nicod, UMR Transferts culturels, Archives Husserl, La République des savoirs, Centre Jean Pépin, CRAL (Centre de Recherches sur les Arts et le Langage), CESPRA, LEM, GSRL, SYRTE.

— An exceptionally wide range of basic and specialized education given by internationally renowned instructors and promoting a cross-curriculum, cross-disciplinary and intercultural approach to philosophy.

— A cross-cutting, transdisciplinary and intercultural approach of philosophy.

— An unparalleled campus life in the very heart of Paris, benefiting from the opportunities offered by PSL to meet students from several schools and move among a variety of campuses.

**LEARNING OUTCOMES**

The Master’s program offers comprehensive training in philosophy. While students choose from one of six academic tracks in the first year of the program, each track includes courses drawn from the other tracks, so that every student receives a broad training. In the second year, students focus more intensively on their concentration, choosing a topic and a director for their thesis.

**OPPORTUNITIES**

— Doctorate in philosophy

— Competitive exams for instructors in high school

— Civil service exams

— Depending on tracks: journalists, museum curators, library directors, business consultants, etc.

**TEACHING LOCATIONS**

In the heart of Paris, on the campuses of the schools involved in the training.
CURRICULUM

Master's year 1 (60 ECTS)

6 tracks available
— Contemporary Philosophy
— Philosophy of Knowledge, History and Philosophy of Science
— History of Philosophy
— Social and Political Philosophy
— Philosophy and Religion
— Philosophy of Language and Mind

1st year structure
Seminars depending on chosen track, introductory seminars, transversal seminars, language, research methodology

Master's year 2 (60 ECTS)

7 tracks available
— 6 tracks proposed in M1
— Agrégation Preparatory Program in Philosophy

Year of specialization, focused on the research thesis
Tracks seminars, opening seminars, thesis
Director seminars, pre thesis defense, laboratory immersion, research thesis

ACADEMIC TRACKS (M1)

— Contemporary Philosophy
Considering contemporary philosophical research (from Nietzsche, Bergson and Husserl at the beginning of the 21st century) in its different aspects and in the various fields in which it is developing.

— Philosophy of Knowledge, History and Philosophy of Science
Initiating research in the field of epistemology by integrating conceptual issues from both the general theory of knowledge and the history and philosophy of sciences and technology.

— History of Philosophy
Accessing the history of Western philosophy in its broadest cultural context. In addition to the four major periods of the history of philosophy (ancient, medieval, modern and contemporary), this concentration includes courses on the western world (ancient, medieval, modern and contemporary). Jewish thought, Indian thought, and the history of ideas from every angle.

— Social and Political Philosophy
Initiating and training for research in the field of social and political philosophy. This course includes approaches to the history of philosophy, contemporary philosophy, and normative philosophy.

— Philosophy and religions
Initiating research in the field of the philosophy of religion and studies on the conceptual and historical articulations between philosophy and religions, based on European and extra-western traditions and according to epistemo-logical, metaphysical, hermeneutical, phenomenological or political approaches.

— Philosophy of Language and Mind
Initiating and training in research in the fields of philosophy of language and philosophy of mind, especially with reference to their contemporary developments. Examples: meaning and reference, communication, language acts, perception, memory, imagination, emotions and action.

ADMISSIONS

Prerequisites
— Master’s year 1 : Students who hold a Bachelor’s degree in philosophy or equivalent
— Master’s year 2 : First year of a Master’s degree in Philosophy or equivalent, with a research project and the agreement in principle of the supervisor

Selection process
Based on online application.

DIPLOMA DELIVERED

National master's degree conferred by Université PSL and prepared at ENS - PSL.

More information
psl.eu/formation/master-philosophie

Contact
Head of the Master's program : Marc Crépon (ENS – PSL)
master-philosophie@ens.fr

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87
The Université PSL Master’s degree in Religious Sciences and Society is jointly accredited by EPHE-PSL and EHESS. Thanks to the diversity and high quality courses offered in those two institutions, the program offers a unique, top-quality educational experience. Part of PSL’s graduate program in Religious studies, this multidisciplinary Master’s program combines historical, sociological, anthropological, philosophical and legal approaches to yield a comprehensive perspective on complex social realities.

**MAIN ASSETS**

— A multidisciplinary Master’s program that combines historical, sociological, anthropological, philosophical and legal approaches to yield a comprehensive perspective on complex social realities.

— A cross-disciplinary core curriculum and various options for concentration beginning in the first year of the Master’s program (four academic tracks offered).

— A convenient base in central Paris where students can make the most of the city’s opportunities for networking, conferences and symposia.

— An unparalleled campus life in the very heart of Paris, benefiting from the opportunities available at Université PSL (music, sports, campus organizations, etc.)

**LEARNING OUTCOMES**

The purpose of this Master’s program is to provide its students, most of whom have a Bachelor’s degree in the humanities or social sciences, with the necessary theoretical and methodological underpinnings for pursuing doctoral research or embarking on a professional career (RLV track).

Upon completing the program, students will:

— Be familiar with the major theoretical issues and debates in religious studies, including the historiography and bibliography of the various fields studied, scientific discussions and the state of current research.

— Have mastered research methods and tools for religious studies from a cross-disciplinary perspective, including field work, investigative techniques and familiarity with archives.

— Have begun the process of concentrating in one of the relevant disciplines (anthropology, history, sociology, philosophy) by attending specialized courses and preparing a Master’s thesis that could lead to doctoral-level research.

**OPPORTUNITIES**

— Careers in research, culture, publishing, teaching, journalism, human resources, local government, mediation.

— Students will have the option to pursue their studies in the doctoral schools at EPHE – PSL or EHESS.
**CURRICULUM**

### ACADEMIC TRACKS

<table>
<thead>
<tr>
<th>Track</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Sociology of Religion (SSR)</td>
<td>This track provides students with general and technical knowledge as well as both disciplinary and transdisciplinary skills that will enable them to conduct research autonomously in the context of a doctoral project or other activity with a strong knowledge production dimension. The course aims at the progressive constitution of knowledge and know-how that is both specialized and open-ended.</td>
</tr>
<tr>
<td>Religion and Secularism in Professional and Community Life (RLV)</td>
<td>This track offers students a generalist education which, while remaining within the framework of university master’s studies, opens the door not to the pursuit of a doctorate or scientific research, but to different categories of career opportunities. This track includes common courses with the SRS speciality, but relies more specifically on the resources and supervision of the IESR (“Institut européen en sciences des religions”, attached to the EPHE) in the management and teaching organization.</td>
</tr>
<tr>
<td>Islam in a Historical and Contemporary Context</td>
<td>The other two tracks have been designed to complement each other. The course on Islam seeks to highlight the place of Islam in contemporary society. The course on the Jewish world emphasizes the religious history of the Jewish people through the centuries. These two concentrations will also leave room for comparative perspectives.</td>
</tr>
<tr>
<td>History and Historiography of Judaism</td>
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</tbody>
</table>

### ADMISSION

**Prerequisites**
Master’s year 1: Students who hold a Bachelor’s degree (180 ECTS credits or equivalent) in Humanities or Social Sciences (anthropology, history, philosophy or sociology).

**Selection process**
Based on application

**DIPLOMA DELIVERED**
National master’s degree conferred by Université PSL and prepared at EPHE-PSL.

**TEACHING LOCATIONS**
In the heart of Paris, on the campuses of the schools involved in the training and on the Condorcet Campus.

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**More information**

**Contact**
Heads of the master’s program:
- Séverine Mathieu (EPHE – PSL) : severine.mathieu@ephe.psl.eu
- Pierre-Antoine Fabre (EHESS) : pierre-antoine.fabre@ehess.fr
- Emma Aubin-Boltanski (EHESS) : emma.aubin-boltanski@ehess.fr

**Université PSL**
[psl.eu](psl.eu)
- [facebook](https://www.facebook.com/PSLuniv)
- [twitter](https://twitter.com/psl_univ)
École Normale Supérieure – PSL offers a top-notch education in research, science, and humanities in collaboration with the leading international universities. This program of education through research is also part of the PSL graduate programs. Every ENS student receives individual mentoring and develops their own personal course of study, in which interdisciplinarity is encouraged. This academic freedom is paired with a very flexible approach to organizing the curriculum, students’ plans and preferences can be integrated through laboratory internships, study abroad, and field experiences in public organizations, companies, or non-profits.

MAIN ASSETS

— Intellectual freedom and individual mentoring: every student is supervised and advised throughout their education by a mentor (research professor or researcher), with whom they work to develop a curriculum each year. The principle of freedom, which is the very foundation of the intellectual formation provided by ENS, also allows ENS students to expand their education by studying or learning at a university or school abroad, to acquire new skills or reorient toward a new discipline.

— The ideal of interdisciplinarity: the coexistence of scientists and literary students in the same environment, as well as the depth and breadth of fields covered by the school’s classes, offer a strong incentive for ENS students to design an interdisciplinarity curriculum. Classes are organized in a way that invites them to delve deeper into their discipline while also exploring its furthest horizons.

— Research-based training: the faculty is made up of research professors who share the latest advances in their work with their students, and even involve them in that work. Many renowned guest professors and researchers from outside France also introduce ENS students to cutting-edge research in their field.

— A school with a global outlook: right from the start, ENS students are introduced to the diversity of international university systems and actively encouraged to learn and improve their foreign languages. They are expected to become international students able to work anywhere in the world. In addition, they study side by side with many international students and researchers every day on campus. Finally, with over 200 partnerships with universities around the globe, each year the school sends students to all continents for internships and research or study abroad.

A CAMPUS IN THE HEART OF PARIS

ENS-PSL is a world-renowned research university that is unparalleled in the quality of its students, the education it offers, and the coexistence of highly varied disciplines within its walls. The ENS campuses in the heart of Paris provide an immensely rich intellectual and scientific environment, boasting daily contact with the most advanced research and a connection to international university life.
THE ONLY MULTIDISCIPLINARY CURRICULUM OF ITS KIND IN FRANCE

ENS-PSL diploma: (180 ECTS) + supplementary coursework (> 72 ECTS)

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
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<tbody>
<tr>
<td>Bachelor’s degree (L3)</td>
<td>— Master’s Year 1 (M1)</td>
<td>— Master’s Year 2 (M2)</td>
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<tr>
<td></td>
<td>— Long internship abroad in the sciences</td>
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<td></td>
<td>+ supplementary courses (all disciplines), broadening experiences</td>
<td>+ supplementary courses (all disciplines), broadening experiences</td>
</tr>
</tbody>
</table>

It is possible to extend the program by up to 2 years (through internships, supplementary coursework, earning a minor, preparing for the Agrégation, etc.)

A PERSONALIZED ACADEMIC PATH

All students at ENS build their own course of study to reflect their own interests and plans. At the same time, this “à la carte” education is constrained by the requirements of the ENS diploma, which include students earning units in one or more disciplines outside of their major. Broadening experiences are also central to the program: these can include professional experiences (teaching internships, volunteer positions with a non-profit, internships in companies or public administration), crossdisciplinary experiences, group research experiences, international experience (teaching assistantships, research exchanges) facilitated by the school’s many partnerships with prestigious universities around the globe.

SCIENCE & HUMANITIES

The depth, breadth, and organization of fields at the school, divided into science and humanities and into teaching and research departments, enable students to explore the furthest horizons of their discipline and develop a highly interdisciplinary intellectual approach.

List of departments:
| Humanities: Economics, Geography & Territories, History, Arts (Theory and Practice), Languages and Literature, Philosophy, Science of Antiquity, Social Science, Exploring Other Cultures and Languages (crosscutting department). |
| Science: Biology, Mathematics, Computer Science, Geoscience, Chemistry, Physics, Cognitive Science. |

OPPORTUNITIES

The school prepares students for high-level careers in the public and corporate sectors in France and abroad. With one of the highest employment rates in French higher education, ENS offers a broad selection of opportunities, both academic (in higher education and research) and non-academic (in companies and government positions, or through entrepreneurship). After completing their ENS education, more than 70% of students begin work on a doctoral dissertation.

ADMISSIONS

Admissions for both Science and Humanities follows 3 separate paths:
| — CPGE preparatory classes for Grandes Écoles competitive exams |
| — ENS students competitive entrance exams |
| — International selection competitive entrance exams |
ENS admits unique, brilliant, creative minds through each of these pathways.

DIPLOMA DELIVERED

Institutional Master’s degree conferred by Université PSL and prepared at ENS-PSL.

More information
- ens.psl.eu/en/academics/academic-programs/ens-graduate-degree
- Detailed curriculum

Université PSL
psl.eu

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The dual degree program in “Acting and Directing” at CNSAD – Paris Sciences & Lettres was created to allow a limited number of acting students pursuing undergraduate studies at the Conservatoire to expand their knowledge into directing and writing. Student actors and directors take a specific two-year course of study with some time devoted to their training as actors and other spent on issues related to directing, including specific classes, internships, artistic and technical collaborations, trips abroad, etc. The curriculum is part of PSL’s graduate program in Arts.

---

**LEARNING OUTCOMES**

— The structural intersection between undergraduate and graduate education indicates the Conservatoire’s desire to offer training in directing based on the program on which its history and current identity are built: the acting program. On the basis of their curriculum as student actors, students in directing take supplementary coursework designed to give them a broader perspective on theater.

These classes, which take a wide variety of formats, complement those strictly related to a career in acting.

— They include courses on directing actors of other generations as well as non-professionals (amateurs, children, prisoners, people with disabilities, etc.).

— Understand and support policies for a place and how it relates to the public.

— Delve into the technical issues relating to their personal plans.

— Address safety issues.

— Be able to put together a theatrical form in very little time and with limited resources.

— Be able to organize in-depth research on a topic or writer over a long time frame.

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**DEVELOPED SKILLS**

Technical skills; awareness of personal safety; relationships between directors and actors; openness to audiences and the world; critical thinking; writing ability; relationship with the other arts; ability to design and administratively put together a project, etc.
INSTRUCTIONAL CONTENT

— 1st year
The 1st year of “Acting and Directing” and the 3rd year of the curriculum for actors occur in parallel. Coursework is given in a variety of formats (weekly classes, regular meetings or seminars, practical internships, workshops, etc.) to reflect professional realities as closely as possible. Most of it is scheduled in the morning to allow students to rehearse for the shows in which they are acting as part of their 3rd year of studies.

— 2nd year
Each student has a unique 2nd year that must include one or more internships and an international experience. The 2nd year of studies, which students take alongside their professional work, is designed to help them improve their knowledge and practices through immersions in a professional environment (creative entities, theaters, or companies) or a partner school (institutes of higher education in theater) in France or internationally, as well as writing and defending a research thesis and creating a final project.

PROGRAM PARTNERS
La Comédie Française, Les Ilets-CDN de Montluçon, La Commune-CDN d’Aubervilliers, CDN de Besançon, Mamoudzou Nord High School in (Mayotte), ARIA, Institut National Supérieur des Arts du Spectacle (Brussels), Akademie August Everding (Münich), Akademia Teatralna (Warsaw), Grupo XIX (Sao-Paulo), Timbre 4 (Buenos Aires), IMEC, JTN.

ADMISSION

Prerequisites
Applicants must have passed the Conservatoire’s competitive entrance exam and completed the first two years of the acting program.

Selection process
Applications are reviewed at the end of the 2nd year of the acting program by a jury chaired by the director of the school and made up of the director of studies, the head of the “Acting and Directing” program, the technical director, and two qualified VIPs from outside the Conservatoire.

CAREER OPPORTUNITIES
Actors in every medium (theater, cinema, television), directors, assistant directors, instructors and trainers.

DIPLOMA DELIVERED
Graduate level institutional degree titled “Acting and Directing‚” issued by Université PSL and prepared at the Conservatoire.

TEACHING LOCATION
CNSAD-PSL: 2 bis Rue du Conservatoire, 75009 Paris

More information
cnsad.fr/enseignements/formation-jouer-et-mettre-en-scene

Contact
Head of the program: Nicolas Fleury

Université PSL
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SCIENCES AND ENGINEERING
École Normale Supérieure – PSL offers a top-notch education in research, science, and humanities in collaboration with the leading international universities. This program of education through research is also part of the PSL graduate programs. Every ENS student receives individual mentoring and develops their own personal course of study, in which interdisciplinarity is encouraged. This academic freedom is paired with a very flexible approach to organizing the curriculum, students’ plans and preferences can be integrated through laboratory internships, study abroad, and field experiences in public organizations, companies, or non-profits.

**MAIN ASSETS**

— Intellectual freedom and individual mentoring: every student is supervised and advised throughout their education by a mentor (research professor or researcher), with whom they work to develop a curriculum each year. The principle of freedom, which is the very foundation of the intellectual formation provided by ENS, also allows ENS students to expand their education by studying or learning at a university or school abroad, to acquire new skills or reorient toward a new discipline.

— The ideal of interdisciplinarity: the coexistence of scientists and literary students in the same environment, as well as the depth and breadth of fields covered by the school’s classes, offer a strong incentive for ENS students to design an interdisciplinarity curriculum. Classes are organized in a way that invites them to delve deeper into their discipline while also exploring its furthest horizons.

— Research-based training: the faculty is made up of research professors who share the latest advances in their work with their students, and even involve them in that work. Many renowned guest professors and researchers from outside France also introduce ENS students to cutting-edge research in their field.

— A school with a global outlook: right from the start, ENS students are introduced to the diversity of international university systems and actively encouraged to learn and improve their foreign languages. They are expected to become international students able to work anywhere in the world. In addition, they study side by side with many international students and researchers every day on campus. Finally, with over 200 partnerships with universities around the globe, each year the school sends students to all continents for internships and research or study abroad.

**A CAMPUS IN THE HEART OF PARIS**

ENS-PSL is a world-renowned research university that is unparalleled in the quality of its students, the education it offers, and the coexistence of highly varied disciplines within its walls. The ENS campuses in the heart of Paris provide an immensely rich intellectual and scientific environment, boasting daily contact with the most advanced research and a connection to international university life.
ENS-PSL diploma: (180 ECTS) + supplementary coursework (> 72 ECTS)

Year 1
Bachelor's degree (L3)

Year 2
— Master's Year 1 (M1)
— Long internship abroad in the sciences

Year 3
Master's Year 2 (M2)

+ supplementary courses (all disciplines), broadening experiences

It is possible to extend the program by up to 2 years (through internships, supplementary coursework, earning a minor, preparing for the Agrégation, etc.)

A PERSONALIZED ACADEMIC PATH

All students at ENS build their own course of study to reflect their own interests and plans. At the same time, this “à la carte” education is constrained by the requirements of the ENS diploma, which include students earning units in one or more disciplines outside of their major. Broadening experiences are also central to the program: these can include professional experiences (teaching internships, volunteer positions with a non-profit, internships in companies or public administration), crossdisciplinary experiences, group research experiences, international experience (teaching assistantships, research exchanges) facilitated by the school’s many partnerships with prestigious universities around the globe.

SCIENCE & HUMANITIES

The depth, breadth, and organization of fields at the school, divided into science and humanities and into teaching and research departments, enable students to explore the furthest horizons of their discipline and develop a highly interdisciplinary intellectual approach.

List of departments:
— Humanities: Economics, Geography & Territories, History, Arts (Theory and Practice), Languages and Literature, Philosophy, Science of Antiquity, Social Science, Exploring Other Cultures and Languages (crosscutting department).
— Science: Biology, Mathematics, Computer Science, Geoscience, Chemistry, Physics, Cognitive Science.

OPPORTUNITIES

The school prepares students for high-level careers in the public and corporate sectors in France and abroad. With one of the highest employment rates in French higher education, ENS offers a broad selection of opportunities, both academic (in higher education and research) and non-academic (in companies and government positions, or through entrepreneurship). After completing their ENS education, more than 70% of students begin work on a doctoral dissertation.

ADMISSIONS

Admissions for both Science and Humanities follows 3 separate paths:
— CPGE preparatory classes for Grandes Écoles competitive exams
— ENS students competitive entrance exams
— International selection competitive entrance exams
ENS admits unique, brilliant, creative minds through each of these pathways.

DIPLOMA DELIVERED

Institutional Master’s degree conferred by Université PSL and prepared at ENS-PSL.

More information
• ens.psl.eu/en/academics/academic-programs/ens-graduate-degree
• Detailed curriculum
CHIMIE PARISTECH – PSL ENGINEERING PROGRAM
UNIVERSITÉ PSL

For 120 years, Chimie ParisTech-PSL has been educating chemical engineers and generalists with a keen eye for innovation, coveted by international companies and research institutes alike. The school offers a comprehensive education based on excellence and originality, and spanning the full spectrum of chemistry. During their studies, future engineers at Chimie ParisTech-PSL acquire a solid scientific and technical foundation through contact with both academia and industry. They learn to piece together different sources of knowledge to address complex problems.

TEACHING CONTENT
— In-depth knowledge of the physical and chemical properties of materials and their transformations.
— Supplementary skills, including mathematics and computer science.
— Solid business management skills.
— Ability to develop an innovative entrepreneurial approach.
— Understanding of how to integrate sustainable development and social responsibility.
— Foreign languages and intercultural skills.
— International exchange required during the course of study (internship or semester abroad).
— Constant focus on students’ personal development and career plans.
— Intense interactions with industry (through internships, projects, seminars, and round tables).

OPPORTUNITIES
The school’s Career and Internship support team helps students develop a personal, cohesive career plan over the three years. Recent graduates hold a variety of positions, including R&D engineer, consultant, project manager, and production engineer. They work in business sectors requiring advanced chemistry skills, such as the chemical, pharmaceutical, and cosmetics industries. Every year, more than 30% of graduates also continue on to PhD studies.
Note: The Chimie ParisTech-PSL Engineering Program is part of the PSL Graduate Program in Engineering.

DIPLOMA DELIVERED
Engineering degree accredited by the Commission des Titres d’Ingénieurs (CTI), awarded by Université PSL and prepared at Chimie ParisTech-PSL.
# A 3-Year Engineering Program

## First Year
**Into Engineering**

**First semester**  
- Chemical Risk  
- Molecular Chemistry  
- Physical Chemistry and Interfaces  
- Quantum Chemistry  
- Analytical Chemistry  
- Computer Science and Programming  
- Mathematics for Engineers  
- Management, Economics  

**Second semester**  
- Molecular Chemistry  
- Chemical Engineering  
- Chemical Bonds  
- Radiation-Material Interactions  
- Materials Chemistry  
- Spectroscopy  
- Digital Methods  
- Management, Economics  

**Transdisciplinary project (6 months)**  
Introduction to project management with societal, economic, and environmental components  

**Team-based science projects (2 months)**  
**Operator internship (1 to 2 months)**

## Second Year
**Optional courses**

**First semester** / **CORE CURRICULUM**  
- Chemical Engineering  
- Metallic Materials  
- Polymer Chemistry  
- Analytical Chemistry  
- Molecular Chemistry and Biochemistry  
- Energy  
- Chemical Modeling and Thermostatics  
- Digital Engineering  

**Second semester** / **CHOICE OF ONE OPTION FROM AMONG 6**  
- Molecular Chemistry  
- Materials (in English)  
- Processes  
- Analytical and Biological Chemistry (in English)  
- Biophysics and Soft Matter (ESPCI-PSL)  
- Nuclear (Franco-Chinese Institute of Nuclear Energy, Zhuhai, China)  

**Group-based innovation project, long internship (5 months)**

## Third Year
**Specialization**

**First semester**  
- Management & Leadership Seminar  
- Management and Economics  
- Entrepreneurship and Career Plans  
- Scientific and Professional English  

**Engineering Track Concentration**  
- Energy  
- Cosmetology  
- Sustainable Processes and Materials  
- Industrial Processes  
- Green Chemistry and Ecodesign  
- Biotechnology  
- Data Science  
- Machine Learning  
- Management, Innovation and Consulting  

> or / **Research Track**  
with option for a double degree with Master’s in Engineering  

> or / **(Inter)national exchange**  

**Second semester**  
Final project (6 months)

## International Outlook
Chimie ParisTech – PSL boasts a vast network of partner schools around the world, developing close ties with them in both research and education. During the engineering program, students must complete an international experience in the form of a long corporate internship or within academia (5 or 6 months), or a study abroad period of at least one semester, often within the 3rd year. This exchange may be supported by an Erasmus agreement when it involves a European partner university. The school has also signed many dual degree agreements within France and internationally: the curriculum is generally extended by 6-12 months and students earn two diplomas, one from Chimie ParisTech and one from the host school or university.

## Admissions
**In the 1st year / Competitive exams for university and Grandes Écoles admissions:** Concours Commun Mines Ponts (PC/MP), Concours Commun INP (TPC), Concours A PC Bio Banque Agro-Véto (BCPST).  
**For applicants from other backgrounds:** integrated preparatory classes by Fédération Gay Lussac (CPI), program for retraining of advanced technicians (ATS), graduates of an 3-year bachelor’s degree (L3), BTS, or DUT undergraduate degree – or equivalent for international students – (GEI-Univ competitive entrance exams, application and interview).  
**In the 2nd year / Applicants should hold an M1 Master’s degree or equivalent (GEI-Univ competitive entrance exam, application and interview).**

## Teaching Location
Chimie ParisTech – PSL: 11, rue Pierre et Marie Curie – 75005 Paris

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**More information**  
chimieparistech.psl.eu/en/programs/engineering-cycle/  
**Contact**  
scolarite@chimieparistech.psl.eu  

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**Université PSL**  
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@psl_univ
Combining technical knowledge and soft skills, the ESPCI Paris–PSL engineering program trains inventors and scientific experts with scientific, technological, and experimental skills. Their constant focus on innovation makes them an invaluable asset to competitiveness for the school’s industrial partners. Training at ESPCI Paris is based on three fundamental principles: a transdisciplinary approach to physics/chemistry/biology, a heavy emphasis on laboratory work, autonomy and innovation through mentoring and team-based scientific projects (PSEs). The engineering degree, which is completed in three years and part of the PSL Graduate Program in Engineering, allows students to refine their specialization or work toward a Master’s degree (4th year).

**MAIN ASSETS**

— A unique interdisciplinary approach to physics/chemistry/biology, supported by a carefully measured balance between basic science and practice.

— Personal, tailored academic support for students throughout the curriculum (via coaching, orientation, internship search assistance, etc.).

— Innovative training: student engineers are active players in their education, learning through scientific research in various forms including laboratory work, tutoring and mentoring sessions, “super TDs,” flipped classes, etc.

— Research-based education, with access to 11 cutting-edge research units, including those associated with CNRS. The school is at the crossroads of basic scientific knowledge and industrial applications, and it also cultivates a powerful entrepreneurial culture that leads to the creation of multiple start-ups each year.

— A 4th optional year for students to complete the curriculum and enhance their already advanced skills and knowledge in fields such as biology/health, energy, mechanics, acoustics, optics, materials, environment, organic chemistry, etc.

**EDUCATIONAL METHODS**

Each graduating class is limited in size (90 students) and benefits from many research professors on campus. Informal contact is encouraged, and casual, simple connections are the rule. Along with the 70 ESPCI Paris professors and lecturers, the school also brings in some twenty external lecturers for language and business courses. In total, students have the opportunity to interact with no fewer than 522 research professors, researchers, post-docs and PhD students every day on campus.

**DISTRIBUTION OF COURSEWORK IN THE HARD SCIENCES OVER THE FIRST TWO YEARS**

- PHYSICAL
- CHEMISTRY
- PHYSICAL CHEMISTRY
- BIOLOGY
- MATHEMATICS/COMPUTER SCIENCE
### A UNIQUE, INNOVATIVE 3+1 CURRICULUM

<table>
<thead>
<tr>
<th>First year / Second year</th>
<th>Third year</th>
<th>Fourth year(optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Education</strong></td>
<td><strong>Advanced Education</strong></td>
<td><strong>Advanced Education</strong></td>
</tr>
<tr>
<td>Core curriculum in years 1 and 2:</td>
<td>— Industrial internship (1 semester)</td>
<td>Master’s degree in Research Specialized</td>
</tr>
<tr>
<td>— Physics, Chemistry, Biology, Mathematics, Digital Technology</td>
<td>— Concentration in: Physics, Chemistry, Physical Chemistry, Biotechnology</td>
<td>Master’s degree Dual degree</td>
</tr>
<tr>
<td>— Languages, HSS, ESS</td>
<td>— Research project (2 months minimum)</td>
<td>School of application</td>
</tr>
</tbody>
</table>

### INSTRUCTIONAL CONTENT

The first and second year are common to all students, with basic and practical coursework in physics, chemistry, and biology, mathematics, and computer science alongside foreign language and business classes. Specialization occurs in the 3rd year. At the end, students are awarded an engineering degree from ESPCI Paris-PSL.

The fourth (optional) year results in both an advanced degree (Advanced Master in Science and Technology from ESPCI Paris) and a degree (Master’s and above) from a second high-level institution. Students taking the fourth year can complete an advanced concentration in a scientific field, in France or abroad, or expand their scientific education with knowledge in economics, management, entrepreneurship, etc.

### INTERNATIONAL OUTLOOK

All student engineers complete at least one long-term stay abroad, and can study abroad through a dual degree program, research project, or corporate internship. Through its vast network of academic and scientific partners, ESPCI Paris offers its students numerous opportunities for pursuing academic exchanges and dual degrees (with Agro ParisTech, Mines ParisTech -PSL, Chimie ParisTech-PSL, Sciences Po Paris, HEC, ‘ESSEC, Institut d’Optique Graduate School, Isae-Supaéro and more). Many exchange agreements are in place: Erasmus, agreements with MIT, dual degree agreements with Polytechnique Montréal (Canada); Unicamp Sao Paulo, Santa Catarina, UFRJ (Brazil); Los Andes (Colombia); Doshisha (Japan); Tongji, Nankin (China); Novossibirsk (Russia), etc. ESPCI also hosts students from around the globe.

### OPPORTUNITIES

Research-based training naturally encourages students to ultimately write a thesis, and 70% of them do so. Engineering graduates of ESPCI Paris-PSL are particularly competent in the field of innovation. 20% of them go into academic research and teaching; 80% pursue careers in various sectors of industry (chemistry, energy, engineering and service companies, pharmaceuticals, etc.). 25% of ESPCI engineers continue their career abroad.

### DIPLOMA DELIVERED

Engineering degree conferred by Université PSL and prepared at ESPCI Paris-PSL.

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More information
espci.psl.eu/en

Université PSL
psl.eu

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@psl_univ
Since its founding in 1783 in the heart of the Latin Quarter, MINES ParisTech – PSL has educated scientists and engineers of the highest caliber, capable of solving complex problems in a diverse array of fields. The school offers its students a comprehensive, multidisciplinary education through solid technical, scientific, and business coursework. With training by first-rate faculty and through a diverse array of educational activities, students acquire robust foundational knowledge and practical know-how. The school’s aim is to prepare its engineering students to become promoters of sustainable development who care about society and the environment, impact positively the world and take part in digital transformation in France and internationally. This Master’s program is part of PSL’s Graduate Program in Engineering (ISAI).

MAIN ASSETS

— Theoretical and practical coursework addressing two major challenges for 21st century engineers: the energy transition and the digital revolution.

— A modular curriculum starting in year two to foster exchanges and dual degrees with other Université PSL schools and internationally.

— Research-based training through a three-month immersion in one of the school’s 19 research centers or a laboratory at one of the PSL schools.

— Close relationships with companies that allow the school to regularly update its curriculum to incorporate real-life company needs and to reflect scientific breakthroughs (courses, electives, and projects added, updated, or omitted as needed) while enabling supervised in-company projects. All civil engineering students will complete at least 9 months of in-company experience during their tenure in the program.

— Multidisciplinary engineering projects (from design to prototyping) based on learning by doing.

— Consolidating soft skills, language activities, and exploring the creative connections between the arts and sciences.

— International experiences, encouraged in the form of gap years or academic exchanges via Erasmus or through existing bilateral agreements with major universities abroad such as MIT, National University of Singapore, Stanford, and many more.

LEARNING OUTCOMES

Thanks to a thorough experience, the School helps engineers develop their identity, based on three competences:

— Critical: integrating different disciplinary fields to develop scientific and technical breakthrough focused on collective progress.

— Creative: innovating and designing robust, sustainable solutions and implementing them within different types of organizations.

— Social: conducting work that will produce significant impact and develop working patterns based on collaboration and inclusion, in particular when the engineers run complex projects involving many people from diverse cultures.
INSTRUCTIONAL CONTENT

At MINES ParisTech–PSL, an engineering education involves more than just a transfer of knowledge. It is based on a genuine educational plan founded on a teaching approach that combines mathematical modeling, observation, experience, simulation, engineering and the humanities. In addition, the curriculum includes personalized tutoring made possible by small class sizes, designed to ensure that every engineering student has the necessary guidance and information to build his or her own educational curriculum.

OPPORTUNITIES

— Upon completing their education, two thirds of the students find employment in a wide range of industries. Information systems and technology, consulting and energy are the most common career paths.
— The remaining third of students either choose to supplement their engineering education with a Master’s degree in the sciences or another field, pursue a PhD degree in France or abroad, or embark on a personal project.

DIPLOMA DELIVERED

Engineering degree accredited by the Commission des Titres d’Ingénieurs (CTI), awarded by Université PSL and prepared at MINES ParisTech–PSL.

ADMISSIONS

Three pathways to admission into Master’s Year 1

Admission on the MINES-Ponts (CCMP) competitive entrance exam
At the end of the second year of preparatory classes for France’s Grandes Ecoles in the MP, PC, PSI, PT and TSI tracks, approximately 120 students are admitted into the first year of the civil engineering program at MINES ParisTech–PSL through the CCMP competitive entrance exam co-managed by nine of France’s top engineering schools (Grandes Écoles). Visit concoursminesponts.fr

Specialized track
The specialized track is designed for students from École Polytechnique, the Écoles Normales Supérieures and ESPCI ParisTech–PSL who would like to specialize in one of the fields available at MINES ParisTech–PSL. The specialized track is a 21-month course of study and includes an end-of-program internship through the student’s original school. The track ends in late December of the following academic year.

Degree-based admission for university applicants (3-year bachelor’s degree, 1-year master’s degree)
This pathway allows students from French Universities holding a three-year bachelor’s degree to join the civil engineering program in the 1st year and international students holding a 1st year of a master’s degree to join the program in the 2nd year. The admission is based on application, written and oral tests and interviews.

TEACHING LOCATION

MINES ParisTech – PSL: 60, boulevard Saint-Michel, 75006 Paris
The Engineer program specialized in Energy at MINES ParisTech – PSL offers the opportunity to become an engineer through apprenticeship or continuing education. In agreement with the Conservatoire National des Arts et Métiers and in partnership with ISUPFERE, this program, supported by 5 professional branches (GIM, FEDENE, UMGCCP, SERCE and SYNTEC Engineering) covering the entire energy chain, from the design and implementation of energy systems to their operation and maintenance. It aims to train engineers capable of designing, installing, operating and maintaining energy installations including renewable energies and the best available techniques in the building sector and industry. This degree is part of PSL’s Graduate Program in Engineering (ISAI).

**MAIN ASSETS**

— A program offered by one of the most prestigious French Engineering Schools, in direct contact with the challenges of energy transition.

— A solid and content-rich curriculum offering courses in energetics as well as modules in finance, management or marketing giving students the necessary skills to work as a Project Manager.

— Well-known partner companies: Aéroports de Paris, Air Liquide, Bouygues, Dassault, Degrémont, EDF, Eiffage, ENEDIS, ENGIE, GDF, GRTgaz, Hôpitaux de Paris, Johnson Controls, Lafarge, Orange, PSA, Renault, RTE, Sanofi, Schneider electric, SNCF, SPIE, Valeo, VINCI...

— A curriculum as closely as possible to the filed thanks to numerous speakers coming from the economic world and projects based on companies activities and issues.

— A program drew directly from current research through research professors under industrial research contracts in direct contact with economic realities.

— An internship abroad in a company or research laboratory between the 2nd and 3rd year in order to acquire professional experience in a different cultural, linguistic or industrial context, to learn how to adapt quickly in an unfamiliar environment and to open up to other technical and organizational fields.

**LEARNING OUTCOMES**

MINES ParisTech – PSL trains energy engineers:

— to work at every step of the chain for Fluids and Energy technical facilities in industry and construction—from design and renovation to management/maintenance—while applying methods to ensure quality and protect the environment;

— to master innovative processes in energy efficiency, renewable energy, optimization of building management and distributed information systems.
Teaching content

- **Engineering Sciences (A)**
  - Mathematics
  - Electricity and Mechanics
  - Thermodynamics
  - Physics & Chemistry
  - Algorithms and Programming
- **Energetics (A + E)**
  - Thermodynamics & Machines
  - Energy modeling
  - Heat and mass transfer
  - Air conditioning
  - Industrial electricity
  - Design and operation projects
  - Energy Technology Project
- **Energetics (applications) (A + E)**
  - Renewable energies or nuclear energy
  - Building Thermal
  - Energy expertise
- **Regulation, Control, Command & Networks (A + E)**
  - Automatic & electronic
  - Control & Automation
  - Instrumentation, Capteurs, Audit
- **Engineer Management Methods (A + E)**
  - Project Management
  - Purchasing & Marketing
  - Economic calculation
  - Team Management, Organizations, Employment law,
    Statistics, Reliability, Maintenance
  - Environmental impact, Sustainable growth
- **Communication & NICT (A + E)**
  - Oral Communication
  - Information systems
  - Building Information Modeling
  - English
- **Preparation of the engineer’s thesis (A + E)**
  - Conferences (Regulation, Industrial Safety, Environment, New Technologies)
- **Internship abroad, European week of inter-school exchanges (A)**

A = Apprenticeship  
E = Executive education

A double tutoring school and company

1st year
**Apprenticeship**
Production of a report **Resources for the engineer.**

**Executive education**
Harmonization cycle (6 months):
Mathematics, Energetics, Mechanics, Written and oral synthesis.

2nd year
Production of a technical draft synthesis and a methodological report
based on activities carried out in the company.

3rd year
Leading of a technological study in energetics, production of a report
on organizations functioning and a report focused on resolution of issues
defined with the company.

INSTRUCTIONAL CONTENT

Training at ISUPFERE is built on a permanent interaction with the activities in the company. It is based on 3 principles: becoming an engineer without leaving the company, making the most of the company/school alternation to bring about changes in attitudes and professional practices and conceptualizing technical knowledge to be able to evolve in one’s career.

CAREER OPPORTUNITIES

The Master’s degree offers a variety of career opportunities: Manager of technical services, works, maintenance and environment of large sites, Engineer in “fluids and utilities” or “fluids and environment”; Fluid quality and environmental impact manager (air and ambient quality, treatment of discharges and effluents, waste management), Project engineer from design to acceptance of works, Energy efficiency engineer, etc...

ADMISSIONS

**Prerequisites**
- **Apprenticeship:** Hold a two-year Higher Education diploma in Scientific and technical fields (CPGE, DUT, Bachelor, BTS) under 30 years old.
- **Executive education:** Hold a two-year Higher Education diploma in Scientific and technical fields (CPGE, DUT, Bachelor, BTS), be supported by their company and with more than 3 years of professional experience.

**Selection process**
Application, entrance examination and interview.

DIPLOMA DELIERED

Engineering degree accredited by the Commission des Titres d’Ingénieurs (CTI), awarded by Université PSL and prepared at MINES ParisTech – PSL.

TEACHING LOCATION

MINES ParisTech – PSL: 60, boulevard Saint-Michel, 75006 Paris

More information
isupfer.e mines-paristech.fr

Université PSL psl.eu

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@psl_univ
The BME Paris Master is designed to provide a 2-year education program in the field of bioengineering, at the cross-road of biomedical and engineering sciences. It results from an unique partnership between Université PSL, Université de Paris and Arts-et-Métiers ParisTech. This Master is founded on an educational policy that favors interdisciplinarity and students’ initiative as well as international perspective. This policy is supported by the top-level and complementary expertise and know-how of the three partners: engineering sciences in the three engineering schools within PSL (Chimie ParisTech – PSL, ESPCI Paris – PSL and Mines ParisTech – PSL) and Arts-et-Métiers ParisTech, on the one hand, and biomedical and health sciences at Université Paris-Descartes, on the other. This master’s degree is part of the PSL’s graduate programs in Engineering (ISAI) and Life Sciences.

LEARNING OUTCOMES

The BME Paris Master proposes a program of excellence intended for students with a wide variety of backgrounds (biology, chemistry, physics, mathematics, engineering as well as medicine, pharmacy and other health sciences...). The overarching goals of the Master are:
— To provide students with the knowledge and tools required in a wide range of the biomedical engineering fields.
— To foster a fruitful collaborative spirit between engineering and medical students, that will eventually bridge the existing “culture gap” between the corresponding professions.
While the second year offers five specialization tracks, the first year is devoted to strengthening and broadening students' skills in specific engineering and biomedical subjects.

CAREER OPPORTUNITIES

— PhD in a field related to the M2 track, in academia or jointly with a company (CIFRE PhDs).
— R&D positions in large companies or startups, in most of the activities of the medtech and biotech sectors.
— Continuing medical or pharmacy school, or accessing it (“passerelle”), in either 2nd or 3rd year.
— Business programs in biotech management (ESCP, EM Lyon / Centrale Supelec...)

MAIN ASSETS

— A unique and fertile collaboration between a leading medical university and top engineering schools.
— A very broad offer of highly interdisciplinary teaching units where scientists, engineers and clinicians address challenges at the forefront of bioengineering research.
— An international experience, with 30-40% of the students coming from abroad, almost all courses taught in English (except French for foreigners), and links with foreign laboratories for internships, especially at M1 level.
— An exceptional scientific environment within PSL, including several of the most prestigious research institutes in Paris (ENS, ESPCI Paris, Chimie ParisTech, MINES ParisTech, Collège de France, Institut Curie...).
— Strong links to the socio-economic and medical worlds: industry lecturers (e.g. from Thalès, Renault, Sanofi...), visits of hospital departments, attendance at medical congresses, a Business Plan workshop...
— A localization at the very lively and cultural heart of Paris.
— Specific support for international students (help with housing and administrative procedures, courses of French as a foreign language...)
Master’s Year 1 (60 ECTS)

1 single track proposed, with individualized choices of teaching units according to students’ backgrounds. It is devoted to strengthening and broadening students’ skills in specific engineering and biomedical subjects. All teaching units are offered at two levels: basic and advanced.

Two 2-month long internships (or a single 4-month long) in academic labs of the partner institutions, R&D departments of large companies, biomedical startups or hospitals.

Master’s Year 2 (60 ECTS)

5 tracks proposed
— Bioimaging (BIM)
— BioMaterials and BioDevices (BioMAT)
— BioMechanics (BioMECH)
— Molecular and Cellular Biotherapies (MCB)
— Bioengineering and Innovation in Neurosciences (BIN)

One 5 to 6-month long internship

Almost all teaching takes place in the center of Paris, mostly at Université Paris-Descartes, Arts et Métiers ParisTech and Université PSL.

TRACKS (MASTER 2)
— Bioimaging (BIM)
The main goal of bioimaging is to improve human health by using imaging modalities to advance diagnosis, treatment, and prevention of human diseases. The BIM track offers high-level interdisciplinary education and training supported by the complementary skills of PSL, Paris Descartes and Telecom ParisTech. It also offers a double-diploma with the Biomedical Engineering Department at Columbia University (New York).

— BioMaterials and BioDevices (BioMAT)
Biomedical technologies greatly rely on the design of materials and devices interacting properly with living systems. The BioMAT track teaches scientists, engineers, and medical students how to face the numerous challenges of biomaterials and biodevices R&D. The lectures and projects train students to carry out collaborative, innovative and fruitful research at the interface between materials and biomedical sciences and medicine.

— BioMechanics (BioMECH)
BioMECH provides fundamental tools and in-depth knowledge on the biomedical applications of mechanics and related fields. The lectures, team projects, case studies, and engineering and invited conferences by academic, health and industrial experts enable students to benefit from a stimulating environment.

— Molecular and Cellular Biotherapies (MCB)
MCB provides an advanced training to two major categories of biotherapeutic applications: cell and gene therapy, and biopharmaceuticals. The former aims at using ‘custom’ therapeutic agents created for individual patients, a domain in which few manufacturers yet operate. Biopharmaceuticals are complex macromolecules produced via genetic manipulation of living organisms, in contrast to conventionally synthesized small molecules.

— Bioengineering and Innovation in Neurosciences (BIN)
BIN aims at bridging the gap between basic, clinical, and engineering neurosciences. It is now a key issue for both industry and medicine, because (i) prevalence of neurodegenerative diseases and sensori-motor handicaps is fast rising, and (ii) an ever-broadening range of companies (transportation, sports, defense, video games…) need to understand « the human factor », i.e. how we interact with ever more complex technical environments.

ADMISSIONS

Prerequisites
Bachelors from scientific fields (biology, chemistry, physics, mathematics, engineering as well as medicine, pharmacy, dentistry and other health sciences…), graduates from the PSL CPES, students from ENS Paris and the PSL engineering schools.
Residents in medical, dental and pharmacy schools, ENS and engineering students may apply directly to the 2nd year (M2), as well as students who have validated an M1 in a relevant field. International students may also apply directly to the M2, under certain conditions.

Application process
Online application and interview for preselected candidates.

Diploma delivered: National Master’s degree conferred by Université PSL and prepared at ESPCI Paris – PSL.
The master’s degree in Chemistry is a co-accredited training between PSL and Sorbonne University. Rich and modular, it presents chemistry in a general and thorough way, both transversal and open to all of its interfaces, notably with physics and biology. This master’s degree is anchored in the most contemporary research in chemistry and committed to undertake the current challenges of our societies. It trains high level scientists who, at the end of their master’s degree, can be part of a wide variety of professional backgrounds, from entering the job market to the preparation of a PhD. Part of PSL graduate program "Chemistry", the master is composed of a variety of tracks with a la carte options allowing each student to personalize her/his training. We highlight here two specific tracks illustrating this diversity: Chemistry & innovation and Chemistry & Life Sciences.

**LEARNING OUTCOMES**

- The Chemistry & Innovation track aims at providing students with a broad background in chemistry and with abilities to transform scientific knowledge into innovative research or economic outputs. The track offers high level courses in all fields of chemistry (molecular chemistry and chemical biology, physical and analytical chemistry, theory and modeling, materials chemistry) oriented towards the most innovative and up-to-date research topics. A choice of elective courses allows students to customize their own curriculum. Students are encouraged to develop their innovative skills through human and transverse skills, transdiciplinary activities, projects in interaction with research labs in PSL and internships.

- The Chemistry & Life Sciences track aims at training highly motivated students interested in interrogating quantitatively and comprehensively biological systems at the molecular, cellular and network levels using various experimental and theoretical approaches. It proposes high quality core courses in chemistry and biology, and a broad range of specialized courses covering various topics at the chemistry/biology interface. The track allows students to develop their creativity through various research projects and internships, and to learn the latest discoveries and innovations at the chemical frontiers of living matter through privileged interactions with faculty members.

**MAIN ASSETS**

- A broad training in fundamental chemistry.
- Training by research through strong interactions with research laboratories and various formats ranging from research challenges to laboratory internships.
- Modularity which makes it possible to build personalized specialization profiles.
- Multiple skills and innovation: a unique course offer to open minds from deep training in innovation to various soft skills.

**CAREER OPPORTUNITIES**

Academic research (PhD, postdocs), private sector research, development and production, medical research, innovation an
COURSES

The offer of courses is broad and organized in a highly modular fashion within and between tracks. We showcase here the contents of only 2 tracks:

— Chemistry & Innovation track
  • Molecular design and synthetic tools: Organic and organometallic chemistry, bio- and bioinorganic chemistry, advanced spectroscopies, chemical tools for biology and health sciences, medicinal chemistry, molecular biotechnology.
  • Analytical and physical chemistry: Environmental chemistry, separation sciences, physico-chemistry and interfaces, spectroscopies and imaging, analytical chemistry for biotechnology and diagnostics, interfaces of biomaterials.
  • Theoretical chemistry and modelling: Electronic structure theory and statistical mechanics, from electronic structure to chemical properties and reactivity, molecular simulation in chemistry.
  • Smart materials chemistry: Concepts from inorganic materials to soft matter: design, synthesis and properties, materials for energy or optical applications, advanced materials: research and applications.

— Chemistry & Life Sciences 1 & 2 tracks
  • Fundamentals in chemistry and biology: Organic chemistry, biophysical chemistry, bioinorganic chemistry, biochemistry, sustainability, biointerfaces, catalysis & green chemistry, biological chemistry, colloid chemistry, biophysics, chemometrics, biocatalysis, statistics, molecular biology & genetics, cell biology, genetics, morphogenesis, microbiology, epigenetics, oncology.
  • Chemical and biological engineering for biotechnology and sustainable chemistry: Synthetic biology, system biology, chemical biology, applied microbiology, medicinal chemistry & biotechnology, biomaterial science, tissue engineering, hybrid materials.
  • Modeling approaches and analytical tools for the study of biological systems: Machine learning, big data, medical imaging, bio-analytics, microfluidics, analytical physical chemistry, multiscale theory and computational methods for biomolecule simulations, principles and applications of fluorescence microscopy.

ADMISSIONS

Prerequisites (Year 1): bachelor degree or equivalent in chemistry or any science at its interface. C1 level in English recommended.

Admission process: online application through PSL portal and interview.

DIPLOMA DELIVERED

National Master’s degree conferred by Université PSL and prepared at Chimie ParisTech – PSL.

More information
psl.eu/en/education/masters-degree-chemistry

Contact
Admissions-Master-Chimie@psl.eu
Hosted by the Ecole normale supérieure – PSL, Université de Paris and the EHESS, the Cogmaster programme offers a unique curriculum in Europe. Building on thirty years of experience in interdisciplinary teaching, this master’s degree draws on the broad resources of the Parisian scientific community. It is open to students with diverse backgrounds and offers academic and industrial opportunities in prestigious research institutions and in many companies in artificial intelligence, bio- and neuro-technologies, data science, education and public policy. This master’s degree is part of PSL’s graduate program in Cognitive Science.

LEARNING OUTCOMES

The goal of the Cogmaster is to train high-level scientists in at least one discipline of cognitive science, with broad knowledge and a solid methodological training covering all of the cognitive sciences.

The intensive training programme involves multiple excellent higher education institutions to offer the best in each field, with 2,000 hours of courses taught by leading experts. In order for students to be directly immersed in research, it offers the opportunity to perform internships in the best cognitive science laboratories in France and the rest of the world.

CAREER OPPORTUNITIES

The Cogmaster is primarily a research programme, which prepares students to start a PhD, and also offers many other opportunities. Its international scientific level allows students to aspire to occupy positions in academic or industrial research, in various institutions and companies.

MAIN ASSETS

— An intensive and interdisciplinary training programme in cognitive science, unique in Europe
— Immersion in an advanced international research ecosystem, working closely with major laboratories and scientific innovation
— A localization at the very lively and cultural heart of Paris.
— A wide variety of basic and advanced classes, given by world-renowned scholars; A multidisciplinary curriculum.
— Lectures given in English. Student/teacher interactions and all exams can take place in French or in English, as chosen by each student.
— A campus life in the very heart of Paris, benefiting from the opportunities for meeting and inter-establishment circulation offered by Université PSL and Université de Paris.
## CURRICULUM

<table>
<thead>
<tr>
<th>Master 1 (60 ECTS)</th>
<th>Master 2 (60 ECTS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamentals – 6 majors proposed</td>
<td>Interdisciplinary courses</td>
</tr>
<tr>
<td>— Philosophy</td>
<td>— In-lab internship</td>
</tr>
<tr>
<td>— Social sciences</td>
<td>— Master thesis in cognitive science</td>
</tr>
<tr>
<td>— Linguistics</td>
<td>— Modelling</td>
</tr>
<tr>
<td>— Psychology</td>
<td>— Cognitive engineering</td>
</tr>
<tr>
<td>— Neuroscience</td>
<td></td>
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<tr>
<td>— Modelling</td>
<td></td>
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<tr>
<td>— Cognitive engineering</td>
<td></td>
</tr>
<tr>
<td>Core methodological curriculum</td>
<td></td>
</tr>
<tr>
<td>Research internship</td>
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</tr>
</tbody>
</table>

### COURSES

**Master 1**
A significant proportion of courses are taken in students’ initial discipline in order to reinforce basic skills. Other courses consist of a core methodological curriculum, as well as introductory courses to the concepts and tools needed in other fields of cognitive science. Research internships complete the curriculum. Basic courses are divided into 6 majors. At the end of the first year, students will have consolidated their training in their major. They will also have assimilated the concepts, methods and issues central to cognitive science. They will be able to analyse and criticize the current literature, in order to develop a coherent research project for the second year (M2).

**Master 2**
In the second year, students are confronted with current research topics in cognitive science in interdisciplinary courses, and carry out an original and integrative research project in cognitive science. This implies being able to formulate a question, to confront it with existing publications, to develop an experimental or theoretical approach to address it, to analyse the results and to compare them to the current literature. Students will also write a scientific-publication-level thesis, and defend it clearly and convincingly in public.

### ADMISSIONS

**Prerequisites**
There are no specific courses preparing for the Cogmaster. The course is open to students from extremely different backgrounds, belonging to diverse scientific cultures.

— **Master 1**: students with a bachelor degree in psychology, philosophy, social science, linguistics, mathematics, computer science, mathematics and computer science applied to humanities and social Sciences. Admissions are also open to medical and engineering students.

— **Master 2**: master 1 or equivalent in the subject areas mentioned above.

**Admission process**
Online application and interview for preselected candidates.

### DIPLOMA DELIVERED

French Master’s degree diploma from Université PSL, (prepared at ENS – PSL) or Université de Paris.

### TEACHING LOCATIONS

In the heart of Paris, mainly at the École normale supérieure – PSL and at Université de Paris (Saints-Pères Faculty of Biomedical Sciences).

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To apply
psl.eu/en/formation/cognitive-science-cogmaster

**Contact**
Franck Ramus & Thérèse Collins: cogmaster@psl.eu

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Université PSL
psl.eu

f @PSLuniv

@psl_univ

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ENS  |  PSL  |  Université de Paris
The result of collaboration between Dauphine – PSL, École Normale Supérieure – PSL, and MINES ParisTech–PSL, the Master’s Degree in Computer Science trains specialists in computer science in the broad sense, with a focus on organizational science, decision making and data science, and artificial intelligence. The various tracks of the Master’s degree prepare students for either academic research or corporate jobs. The Master’s degree is part of PSL’s graduate program in Computer Science.

**MAIN ASSETS**

— **A curriculum tailored to each student's plans**, with 6 concentrations in the second year preparing them for very specific job opportunities.

— **Theoretical coursework** covering conceptual approaches and tools to aid decision-making.

— **A program that reflects realities in the field** through internships, frequent contact with working professionals, and learning through apprenticeship.

— **A Master's degree informed by ongoing research**, supported by the Lamsade laboratory and PSL's graduate program in Computer Science.

— **An internationally-oriented Master's degree** in cooperation with international universities such as Saint Joseph University in Beirut, Lebanon, which offers the opportunity for a dual Master's diploma.

**LEARNING OUTCOMES**

— Provide a high-level education in computer science on the topics of decision-making and data science and artificial intelligence.

— Emphasize top quality professional training, with many industry-side contributors.

— Facilitate the option of going on to earn a PhD.

**INSTRUCTIONAL CONTENT**

The academic program strives to provide a grasp of the basics and computer technologies that form the foundation of organizations, describing their structures and requirements, with a special focus on decision-making tools based on algorithms and programming, discrete mathematics, big data, automated learning, and artificial intelligence. It places particular focus on equipping students with first-rate professional skills through internships, frequent contact with working professionals, and learning through apprenticeship. It also includes more theoretical coursework, covering conceptual approaches and tools to aid decision-making.
CAREER OPPORTUNITIES

— Algorithmic Science and Foundations of Programming track: Researcher, teacher-researcher, teacher, engineer, etc.

— MIAGE – Information Systems and the Digital Transition – SITN – SITN track: Client-side project manager, contractor-side project manager, consultant, business analyst, information systems auditor, etc.

— MIAGE – Business Intelligence – ID track: Data scientist, BI project manager, Big Data engineer, Supervising research engineer.

— MIAGE – Informatics for Finance – IF track: Developer analyst, financial auditor, business analyst, head of risk management, etc.

— Modeling, Optimization, Decision Science and Organizations – MODO track: Decision support consultant, operational research, computing in functional departments, R&D departments, etc.

— Artificial Intelligence, Systems and Data track: Thesis in artificial intelligence, data scientist, etc.

DIPLOMA DELIVERED

National Master's degree conferred by Université PSL and prepared at Dauphine–PSL.

More information

psl.eu/en/education/masters-degree-computer-science

Contact

Head of the master's program: Yann CHEVALEYRE, Dauphine – PSL

ADMISSIONS

Prerequisites Master’s year 1

— M1 MIAGE: 180 ECTS credits (Bachelor’s) in computer science or mathematics, management or applied economics with optional courses in computer science.

— M1 IDD: 180 ECTS credits (Bachelor’s) in computer science or mathematics, management or economics with optional courses in operational research or quantitative techniques, from engineering or business schools.

Selection process

Application (+ interview for apprenticeship). The application should be submitted online at the MyCandidature application platform: candidatures.dauphine.fr

TEACHING LOCATIONS

Dauphine – PSL: Place du Maréchal de Lattre de Tassigny, 75016

MINES ParisTech – PSL: 60 Boulevard Saint-Michel, 75006

École normale supérieure – PSL: 45 Rue d’Ulm, 75005

CURRICULUM

Master's Year 1 (M1; 60 ECTS)

<table>
<thead>
<tr>
<th>3 TRACKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamental Computer Science</td>
</tr>
<tr>
<td>Computer Science for Business (MIAGE)</td>
</tr>
<tr>
<td>Computer Science, Décision, and Data (IDD)</td>
</tr>
</tbody>
</table>

Master's Year 2 (M2; 60 ECTS)

<table>
<thead>
<tr>
<th>6 CONCENTRATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Algorithmic Science and Foundations of Programming</td>
</tr>
<tr>
<td>• MIAGE – Information Systems and the Digital Transition – SITN</td>
</tr>
<tr>
<td>• MIAGE – Business Intelligence – ID</td>
</tr>
<tr>
<td>• MIAGE – Informatics for Finance – IF</td>
</tr>
<tr>
<td>• Modeling, Optimization, Decision Science and Organizations – MODO</td>
</tr>
<tr>
<td>• Artificial Intelligence, Systems and Data</td>
</tr>
</tbody>
</table>

More information

psl.eu/en/education/masters-degree-computer-science

Université PSL

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@psl_univ
MASTERS DEGREE IN EARTH AND PLANETARY SCIENCE, ENVIRONMENT

UNIVERSITÉ PSL

Made possible by a collaboration between Ecole Normale Supérieure–PSL, MINES ParisTech–PSL, Observatoire de Paris–PSL, EPHE–PSL and ESPCI ParisTech–PSL, the Master’s degree in Earth and Planetary Science, Environment from Université PSL offers state-of-the-art training in the fields of earth science, meteorology, oceanography, climate science and biogeoscience, as well as their applications for environmental science both on Earth and in space. The curriculum offers fundamental knowledge about how matter and energy are exchanged and interface between those containers. In addition, it addresses critical societal challenges ranging from natural hazards (earthquakes, flooding, cyclones, space weather) to climate change, resources (water, energy, minerals) and pollution of our soil, water and atmosphere.

MAIN ASSETS

— An innovative approach built around a comprehensive perspective on “Planet Earth” (solid earth, ocean/atmosphere, space environment, interfaces).

— A “learn by doing” approach to research, with two lengthy laboratory internships, one in each year of the program, in France and abroad.

— Unprecedented collaboration between some of the most prestigious institutions in France in the area of planetary science.

— Immersion in an advanced international research environment, working closely with major laboratories and scientific innovation, notably through the program’s affiliation with PSL’s graduate program in Earth Science and Biodiversity.

— Individualized training that draws on a wide range of optional courses, allowing students to define their own disciplinary focus in conjunction with their mentor.

— A flexible format in which courses can be staggered over the entire two-year period, as at most of the world’s top-tier universities.

— A curriculum that includes both a scientific and social component and is attentive to weighty topics such as climate change, mitigation of natural risks, sustainable natural resources and the energy transition.

— An international study environment, with some courses taught in English.

CAREER OPPORTUNITIES

— Doctoral dissertation leading to a career in research and higher education.

— A career with large companies or major government institutions.
**Master's Year 1 (M1; 60 ECTS)**

- **One academic track is available: Planetary Science**
  - **Required core curriculum modules**
    - Radiation and Remote Sensing
    - Inverse Methods
    - Digital Methods
    - Geostatistics
  - **Optional courses**
    Students choose five to seven modules, including at least one per discipline:
    - Ocean and Atmospheric Science (7 modules)
    - Interfaces (11 modules)
    - Solid-Earth Science (9 modules)
    - Society (6 modules)
  - **Two research internships**
    - Fall internship
    - Research internship outside France (5 months)

---

**Master's Year 2 (M2; 60 ECTS)**

- **One academic track is available: Planetary Science**
  - **Required core curriculum modules**
    - Statistical Methodology for Large Datasets
    - Practicum in Geophysical Modeling
    - Nonlinear Dynamic Systems
    - Digital Geosciences Project
  - **Optional courses**
    Students choose five to seven modules:
    - Ocean and Atmospheric Science (7 modules)
    - Interfaces (11 modules)
    - Solid-Earth Science (9 modules)
    - Society (6 modules)
  - **Two research internships**
    - Fall field internship in France
    - Laboratory research internship (five months in France or abroad)

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**LEARNING OUTCOMES**

The Master's degree provides students with the quantitative and disciplinary foundation they need in order to assume an active role in future geoscientific research and contribute to industrial innovation and R&D. It is designed to promote open-minded intellectual development and an interdisciplinary approach, and includes numerous activities in the field as well as multiple research internships. The training offers the necessary grounding in the earth sciences and provides participants with the disciplinary knowledge to pursue very high-level research in their chosen specialization or investigate the fields of the future in industry. It produces students with the ability to tackle weighty topics in all their complexity, including climate change, mitigation of natural risks, sustainable natural resources and the energy transition.

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**SUPERVISION**

Throughout their course of study, students will be individually tutored by a researcher from one of our partner institutions, who will help them design their own learning path. Classes are taught in person, with a major research component. The course offerings include a wide range of optional courses outside the core curriculum; as a result, students can design their own thematic or disciplinary focus by choosing electives after discussion with, and with the approval of, their mentor.

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**ADMISSION**

**Prerequisites**

- **Master's Year 1:** A Bachelor's degree in earth science, physics or chemistry or 180 ECTS credits from a scientific curriculum of Bachelor’s degree or equivalent level, including students from engineering schools.
- **Master's Year 2:** Master's Year 1 or the equivalent in the disciplines cited above.

**Selection process**

Based on an application and interview.

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**DIPLOMA DELIVERED**

National Master’s degree conferred by Université PSL and prepared at ENS–PSL.

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**TEACHING LOCATIONS**

Classes are held in the heart of Paris on the campuses of École Normale Supérieure–PSL and the PSL schools involved in the Master’s program.

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**More information**

psl.eu/en/education/masters-degree-planetary-science

**Contact**

Head of the master's program: Florence HABETS
master-planete-psl@geologie.ens.fr
The PSL master’s degree in Energy provides discovery of the world of energy and its environmental and economic issues. It covers all areas of expertise necessary to the transformation of the energy sector: materials, components, energy systems... Hosted by Ecole nationale supérieure des Mines de Paris – PSL, Ecole nationale supérieure de Chimie de Paris – PSL and ESPCI Paris – PSL, this master degree procures methodologies to assess an energy system and measure the impact of technological innovations. It also covers proficiency in systems for the conversion and storage of energy and the methods, tools and criteria according to which decisions are taken.

This master’s degree is part of PSL’s graduate program in Engineering (ISAI).

MAIN ASSETS

— **Core knowledge** in the energy sector.
— **Specialization** via a choice of 2 modules from 4 modules offered: energy efficiency, reducing carbon footprint, technologies of renewable energy systems and renewable energy integration.
— **Multidisciplinary training**: thermodynamics, electrochemistry, electricity, materials, digital analysis,...
— **International exposure**: the Master’s 2nd year is taught in English. French language classes are available to international students.
— **Training in innovation through research**: internships of at least 8 months are required during the 2 years of the program, to be performed in research and development fields, either in academic or industrial groups.
— **Teaching excellence**: training co-sponsored by 3 of the best French engineering schools.
— **Industry partners** will lead classes and conference cycles, carry out site tours and hold internships.

RESEARCH

The master's degree in Energy is training for and through research. It is based on the research topics existing within Université PSL in the field of energy. It is based on a balance between experimental, digital and theoretical approaches, perfectly matched with the research activities and R&D of research organizations and large industrial groups.

OPPORTUNITIES

This program is recommended for students who wish to prepare themselves for a career in academic research or in centers of industrial research and innovation. It also provides preparation to pursue a PhD.
## CURRICULUM

### Master's Year 1 (60 ECTS)  
**Courses in French**

| S1 + S2 | Master's Year 2 (60 ECTS)  
**Courses in English** |
|---------|-----------------------------|
| **Basic modules**  
— Thermo-mechanics of fluids  
— Process design  
— Modeling industrial processes  
— Data Processing  
— Python programming  
— Electro-chemistry and corrosion  
— Basics on nuclear energy  
— Materials for the engineer  

| **Core curriculum**  
Basic knowledge of energy systems and energy conversion.  
**Choice of 2 modules amongst 4:**  
— Energy Efficiency  
— Reducing Carbon Footprint  
— Technologies of Renewable Energy Systems  
— Renewable Energy Integration  

| **Humanities course**  
| **6-month internship in a research, academic or industrial group** |
| **English course**  
— Common project in English  
— 2-month internship |

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### Partner Schools
The master's degree in Energy is co-sponsored by École nationale supérieure de Chimie de Paris – PSL, École nationale supérieure des Mines de Paris – PSL and ESPCI Paris – PSL.

### Teaching Locations
All of the lessons are given in the very center of Paris on the campuses of the 3 schools involved in the master's program.

### Admissions
**Recruitment process (M1 and M2)**  
based on application assessment and interview.

**Prerequisites**  
— Master's degree year 1:  
students must have a bachelor of science degree  
— Master's degree year 2:  
students holding a scientific M1 level; student engineers following a dual curriculum

### Diploma Delivered
National Master's degree conferred by Université PSL and prepared at MINES ParisTech – PSL

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**More Information**
psl.eu/en/formation/master-s-degree-energy

**Contact**
Heads of the master's program: Assaad Zoughaib & Virginie Lair  
contact.master-energie@psl.eu

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Université PSL  
psl.eu  
facebook PSL.univ  
Instagram @psl_univ
The PSL Master’s degree in Life Sciences is an interdisciplinary Master’s programme that aims to prepare the next generation of scientists, engineers, and physicians to address emerging problems in contemporary biology, ecology and environmental science. The Master is managed by the École normale supérieure – PSL and the École Pratique des Hautes Études - PSL, and involves several other world-renowned institutions: Collège de France, ESPCI Paris – PSL, Ecole nationale supérieure des Mines de Paris – PSL, Institut de Biologie Physico-Chimique, Institut Curie and Institut Pasteur. Competitive recruitment with an exceptionally high researcher/student ratio, tailor-made training, along with close tutoring are shared between the different teaching institutions within PSL. As part of PSL’s graduate programs in Life Science and Earth Science and Biodiversity, research training through research practice is an historical mark of these institutions.

**MAIN ASSETS**

- **Interdisciplinarity:** solid training in biology, ecology and related fields (mathematics, physics, chemistry, computer science).
- **Generalist education with specialization in a cutting-edge field.**
- **Training in research and in innovation through research:** students will complete two internships in academic/industrial research laboratories, private organizations, and/or design offices/regional authorities/nature reserves in France or abroad.
- **International exposure:** the Master’s offers curricula taught exclusively in English, or in French and English. French language classes are available to international students. International internships benefit from existing networks with partner institutions.
- **Expert teaching:** the programme is implemented by the best specialists from world-renowned institutions.
- **High quality of PSL laboratories.**
- **Access to scholarships** (€10,000/year) for specific categories of students.
- **Mentorship:** a faculty mentor is assigned to each student to help guide him or her in choosing courses, finding an internship, and preparing a study contract. Students in the Medicine/Science track will receive dual mentoring in science and medicine.
- **Access to pre-professional contracts and eligibility for continuous professional training.**

**CAREER OPPORTUNITIES**

The PSL Master’s in Life Sciences primarily prepares students for careers as researchers, research professors, research physicians or research engineers in the public sector, or as Research and Development professionals in the private sector, particularly in pharmaceutical and innovative biotechnology industries. Career opportunities also exist to work in parks and nature reserves, local authorities, as well as in the private or semi-public sectors in biodiversity or environmental management.
CURRICULUM

Master 1 (60 ECTS)  Master 2 (60 ECTS)

3 curricula
— Interdisciplinary Master’s in Life Sciences (IMaLiS)
— Integrative Master for Global Health and Ecology (IMaGHE) – Integrative physiopathology (IPP)
— Integrative Master for Global Health and Ecology (IMaGHE) – Biodiversity and environment (B&E)

6 curricula
— Systems biology, genomics and bioinformatics (IMaLiS, Sysbio)
— Neuroscience (IMaLiS, Neuro)
— Fundamental biology for health (IMaLiS, Bio4Health)
— Ecology and evolution (IMaLiS, EcoEvo)
— Integrative physiopathology (IMaGHE, IPP)
— Biodiversity and environment (IMaGHE, B&E)

All curricula include research internships during both M1 and M2 years (4–6 months/year for IMaLiS, 2–6 months/year for IMaGHE). Limited cross-sampling between the different pathways is possible, provided faculty are in agreement.

COURSES
— IMaLiS is a high-level, generalist, life sciences curriculum incorporating key interdisciplinary content (including optional training in mathematics, physics, chemistry, geosciences and computer sciences). It is managed by the department of biology of the ENS.

Courses: cellular and developmental biology, medical sciences, genetics, genomics, neurosciences, computational biology, systems biology, evolution and ecology, optional training in career skills, foreign languages, scientific communication, statistics, etc.

— IMaGHE (Integrative Master for Global Health and Ecology) includes two alternative, interconnected curricula devoted to life sciences, from the molecule to the organism (Integrative PhysioPathology) or from the organism to the environment (Biodiversity and Environment). Both curricula address questions about biotic and abiotic interactions affecting the health of living organisms. IMaGHE is managed by the section of Life and Earth Sciences of the EPHE.

Courses: Master’s 1 and 2 programmes allow early involvement in a research (or R&D) project by backing fundamental learning with the context and practice of the internship. Year 1 includes a common core providing mandatory training in career skills (foreign languages, scientific communication, statistics, resume- or grant-writing, ethics, etc.), in addition to “commitment” courses preparing for the choice of future teaching units.

ADMISSIONS

Application process
1 - Online application
Submission deadlines are listed on the corresponding webpages.
2 - Interview for preselected candidates (IMaLiS).

Prerequisites
— Master 1: bachelor degree or equivalent encompassing significant cell and molecular biology training (Life Sciences, Health, Sciences & technology, Geo-sciences etc.).
— Master 2: master 1 degree in Science (Life Sciences, Health Sciences, Science and Technology, Earth and Life Sciences, etc.) or equivalent (minimum 4 years of studies), and students from French engineering schools who have received basic education in Life Sciences.

At least C1 level in English recommended for IMaLis M1 and M2 (courses taught in English).

DIPLOMA DELIVERED

National Master’s degree conferred by Université PSL and prepared at ENS – PSL.

More information
psl.eu/en/education/master-s-degree-life-sciences

Contact
admissions-master-sdv@psl.eu

Université PSL
psl.eu
f @PSLuniv
@psl_univ

psl.eu

psl.eu
The Master in Materials Science and Engineering from Université PSL provides the experimental and theoretical knowledge required to conceive and design the materials of tomorrow, improve the performance of existing materials and predict their lifespan. Co-sponsored by the Ecole nationale supérieure de Chimie de Paris – PSL, the Ecole nationale supérieure des Mines de Paris – PSL and ESPCI Paris – PSL, this program aims to establish a link between the processes, synthesis and layout, (micro) structures and structural and/or functional properties of various materials such as polymers, metal alloys, ceramics and biomaterials.

This master’s degree is part of PSL’s graduate program in Engineering (ISAI).

**MAIN ASSETS**

- **Core knowledge** in the materials field.
- **Specialization via 3 tracks** to choose from: Materials science and Engineering inParis (MAGIS) ; Materials for the future – Design and Engineering (MADI) ; Microfluidics.
- **Multidisciplinary teaching**: chemistry, physical chemistry, physics, mechanics, etc.
- **Multi-scale** from molecules or crystal structures to objects and multi-material approach (metal alloys, polymers, oxides, ceramics, biomaterials, etc.).
- **International opportunities** with some courses taught in French and/or English.
- **Training in innovation through research**: at least an internship of 6 months is required during the 2 years of the program, to be performed in various research, academic and industrial groups.
- **Industry partners** will lead classes and conference cycles, carry out site tours and hold internships.

**RESEARCH**

This Master's program is training for and via research. It builds on the existing research themes at Université PSL in the field of materials science. The courses offered are directly linked to the research topics developed in the laboratories of our partner institutions. It also benefits from the academic and industrial network of the Île-de-France region.

**OPPORTUNITIES**

This course is open to students pursuing an academic or industrial career. It also prepares them for a PhD program. Due to the diversity of the courses offered, the subject areas and technical fields are various: energy, transport, sustainable development, biomedical, cosmetics, micro/nanotechnology, etc.
### CURRICULUM

<table>
<thead>
<tr>
<th>S1+S2 : 60 ECTS</th>
<th>S3 : 30 ECTS</th>
<th>S4 : 30 ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core curriculum</td>
<td>A choice of 3 tracks</td>
<td>Internship</td>
</tr>
<tr>
<td>Choice of specialization courses</td>
<td>— Materials science and Engineering in Paris (Program in English and/or French)</td>
<td>From 4 to 6 months in an academic or industrial environment, in France or abroad, in the field of research and development</td>
</tr>
<tr>
<td>(2nd semester)</td>
<td>— Materials of the future – Design and engineering (Program in English and/or French)</td>
<td></td>
</tr>
<tr>
<td>PSL exchange week</td>
<td>— Microfluidics (Program in English)</td>
<td></td>
</tr>
<tr>
<td>Minimum 2-month internship</td>
<td>Materials of the future – Design and engineering and Microfluidics tracks can be taken in professional training contract (“contrat de professionnalisation”)</td>
<td></td>
</tr>
</tbody>
</table>

### TRACKS (MASTER 2)

- **Materials science and Engineering in Paris**
  This track involves shared courses with Arts et Métiers ParisTech and Université Paris Saclay. It provides an education in the mechanics of materials. It focuses on the relationships between processes, materials, microstructures, and mechanical properties for advanced industrial applications and innovative processes.

- **Materials of the future: design et engineering**
  This track provides an "integrated" perspective of various materials of the future, including synthesis processes, desired structure or architecture, eco-design and lifespan. It can be taken in professional training contract (“contrat de professionnalisation”).

- **Microfluidics**
  Microfluidics involves shared courses with Sorbonne Université, Université de Paris and Université Paris Saclay. The track provides training in the area of microfluidics (the science of flow at the micro scale) and in all areas involving fluids and micro/nanotechnologies. The curriculum therefore touches upon multiple fields, including fluid dynamics, physical chemistry, biology, and biotechnology. Students complete several practicums in micro/nanomanufacturing. This track can be taken in professional training contract (“contrat de professionnalisation”).

### TEACHING LOCATIONS AND PARTNER SCHOOLS

This Master’s program is co-sponsored by MINES ParisTech - PSL, Chimie ParisTech – PSL and ESPCI Paris – PSL. Some tracks also rely on the participation of the Ecole Nationale Supérieure des Arts Décoratifs (ENSAD) or on other schools in Ile-de-France besides PSL. The majority of classes are taught in the very center of Paris, on the campuses of our various schools involved in the program, but also in other schools besides PSL.

### ADMISSIONS

**Recruitment process (M1 and M2):** online application

**Prerequisites**

- **Master’s Year 1**
  Students must have a bachelor of science degree (Chemistry, Physical chemistry, Mechanics)

- **Master’s Year 2**
  Students holding an M1 level or engineering students following a dual curriculum

### DIPLOMA DELIVERED

National Master’s degree conferred by Université PSL and hosted by Chimie ParisTech – PSL.

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**More information**

psl.eu/en/education/master-s-degree-materials-science-and-engineering

**Contact**

Heads of the master’s program: Cécilie Duhamel & Domitille Giaume

contact.master-sgm@psl.eu

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**Université PSL**

psl.eu

[@PSLuniv](https://twitter.com/PSLuniv)
The fruit of the collaboration between the Ecole normale supérieure – PSL and Dauphine – PSL, the Master’s degree in “Mathematics and applications” from Université PSL provides advanced training in fundamental and applied mathematics. Its ambition is to train specialists in mathematics in the broad sense, preparing for professions both in the academic sector and in those of the service and industrial sectors where modeling takes a predominant place. This master’s degree is part of PSL’s graduate program in Mathematics and applications.

Main Assets

— Unprecedented collaboration between some of the most prestigious schools in France in the field of mathematics.
— Immersion in an advanced international research environment, working closely with major laboratories and scientific innovation.
— A very wide range of fundamental teaching and tracks combining the complementary expertise of various partners; opportunities for varied specializations deeply rooted in the major contemporary issues of mathematics (digital transition, artificial intelligence, modeling and analysis of complex systems, data sciences related to human sciences).
— A framework of international studies, with part of the teaching given in English by researchers from foreign universities.
— A strong link with the industrial and socio-economic world, a real springboard for a professional career, notably thanks to the company partnerships of Paris-Dauphine in the energy, insurance and finance sectors.
— A campus life in the very heart of Paris, benefiting from the opportunities for meeting and inter-establishment circulation offered by Université PSL.

Learning Outcomes

The master’s degree offers in-depth training in mathematics during the first year, open to both fundamental mathematics and applied mathematics. The second year offers a specialization that builds upon the theoretical knowledge acquired during the first year, leading to tracks in applied or theoretical mathematics.

Career Opportunities

According to the specialization track chosen in the 2nd year:
— Doctorate in theoretical or applied mathematics
— Professions in the service sector, particularly related to the evaluation of risk and decision-making (actuarial sciences, insurance, finance, statistics and data science).
3 tracks
— M1 Applied Mathematics
— M1 Fundamental Mathematics
— M1 Advanced Mathematics

5 tracks
— M2 Actuarial Sciences
— M2 Statistical and Financial Engineering (ISF)
  — accessible in initial training or apprenticeship
— M2 Mathematics of Insurance, Economics and Finance (MASEF)
— M2 Mathematics, Apprenticeship and Human Sciences (MASH)
— M2 Applied and Theoretic Mathematics (MATH)

Internships, seminars, international mobility projects, research papers and language of instruction specific to each track and to be consulted online.

LABORATORIES INVOLVED
The training is backed by the mathematics and IT laboratories of the partner establishments: the Ecole normale supérieure (DMA, DI), Paris-Dauphine university (CEREMADE, LAMSADE), MINES ParisTech (CAS, CMM), EHESS (CAMS) and the Observatoire de Paris (IMCCE). Which covers a broad spectrum: from pure mathematics to applications of mathematics (industrial problems, social sciences, links with other scientific disciplines).

TEACHING LOCATIONS
The instruction is given in the heart of Paris on the campuses of the PSL schools involved in the Master’s program. The students may also spend part of their education abroad, taking advantage of the various international agreements of PSL and the schools involved.

ADMISSIONS
— Prerequisites to apply for M1
  Bachelor’s in mathematics or 180 ECTS credits in “Science” or equivalent.
— Process of selection
  Master’s degree Year 1: according to an application dossier, to be completed online (candidatures.mido.dauphine.fr).

DIPLOMA DELIVERED
National Master’s degree conferred by Université PSL and prepared at Dauphine – PSL.

More information
psl.eu/en/formation/master-s-degree-mathematics-and-applications

Contact
Master’s program manager: Jacques FEJOZ
admissions-master-maths@psl.eu
The Master Nuclear Energy (Nuclear Engineering) is an international Master’s degree that aims to provide high-level foreign and French students with the main skills needed in the nuclear industry producing low-carbon electricity. Through the quality and scope of the content covered, it makes it possible to meet a wide range of needs of companies in this field by recruiting students with high initial employability. Part of PSL’s graduate program in Engineering (ISAI), this Master’s degree also aims to prepare students for research in the nuclear field. The entire Master’s programme therefore integrates the various professions in civil nuclear energy. The courses are taught entirely in English.

**MAIN ASSETS**

- **Acquired expertise in the electro-nuclear field**
- **5 specialisations to choose**
- **Training in innovation through research:** over the 2 years of the course, students will be required to complete 30 weeks of internships in different industrial groups or academic partners.
- **Industrial partnerships:** the Nuclear Energy Master’s Degree is the subject of a multi-year agreement with EDF, and various industrial players are involved, particularly in the running of courses or site visits.
- **International outlook:** the two years of the Master’s programme are taught in English, with support courses in French for foreign students. The Master's degree has obtained the labels of International Institute of Nuclear Energy (I2EN) and European Master’s in Nuclear Energy (EMINE).
- **Teaching excellence:** a training programme led by major players in the Paris region (PSL, IP Paris, Université Paris-Saclay, Ecole des Ponts).

**LEARNING OUTCOMES**

The objective of the course is to provide students with expertise in the nuclear energy sector and specialisation in a particular field, from fuel chemistry to decommissioning, including plant design and management.

- **Master’s Year 1:** ensure a solid base of training in the basic disciplines prior to the specialisation proposed in M2, and to manage the diversity of previous courses.
- **Master’s Year 2:** enable the student to acquire a skill in one of the 5 proposed majors.

**CAREER OPPORTUNITIES**

This training is aimed at students eager to pursue a career in the industry in the nuclear energy sector or energy transition, as well as those wishing to pursue a thesis for a career in research.
## CURRICULUM

<table>
<thead>
<tr>
<th>Master's Year 1 (60 ECTS)</th>
<th>Master's Year 2 (60 ECTS)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2 tracks</strong></td>
<td><strong>5 tracks</strong></td>
</tr>
<tr>
<td>— Physics &amp; Engineering</td>
<td>— Fuel Cycle</td>
</tr>
<tr>
<td>— Chemistry &amp; Chemical Engineering</td>
<td>— Decommissioning and Waste Management</td>
</tr>
<tr>
<td></td>
<td>— Operations</td>
</tr>
<tr>
<td><strong>Core curriculum</strong></td>
<td>— Nuclear Plant and Design</td>
</tr>
<tr>
<td>— Nuclear Physics</td>
<td>— Nuclear Reactor Physics and Engineering</td>
</tr>
<tr>
<td>— Thermodynamics</td>
<td></td>
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<tr>
<td>— Interactions of Radiation with Matter</td>
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<tr>
<td>— Basic Neutronics</td>
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<tr>
<td>— Energy Production Technologies</td>
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<tr>
<td>— Mathematics</td>
<td></td>
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<tr>
<td>— Language &amp; Culture</td>
<td></td>
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<tr>
<td>— Economics of Energy</td>
<td></td>
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<tr>
<td>— Project Management</td>
<td></td>
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<tr>
<td>— Chemical Engineering</td>
<td></td>
</tr>
<tr>
<td>— Data processing</td>
<td></td>
</tr>
<tr>
<td><strong>Track-specific modules</strong></td>
<td><strong>partially mutualized</strong></td>
</tr>
<tr>
<td>a 10-week internship</td>
<td></td>
</tr>
<tr>
<td>In the research laboratories of the partner schools.</td>
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</tr>
</tbody>
</table>

### INSTRUCTIONAL CONTENT

#### MASTER 1

The two M1 majors (Physics & Engineering and Chemistry & Chemical Engineering) aim to provide a broad education ranging from the indispensable scientific and technological aspects to the physical and chemical aspects of the nuclear energy field. They share a common core and include both fundamental courses underpinning the nuclear energy professions and courses oriented towards chemistry or physics.


#### MASTER 2

All students will follow a common core curriculum whose objective is to build common skills necessary for a good analysis of concepts that will be presented in each sub-tracks.

The student will choose one specialization among five.

Chimie ParisTech – PSL is involved in Fuel Cycle. This speciality is a reference training in the field of nuclear energy with the aim of giving future managers a global vision of chemistry and physico-chemistry applied to the nuclear field, through high-level theoretical and practical teaching.

The specificity of this speciality is to provide all the scientific tools to study the behaviour of radionuclides in condensed phase. It also enables students to complete a thesis and to pursue careers in research.

All courses are taught in English.

#### ADMISSIONS

**Prerequisites**

— **Master’s Year 1**: Students holding a bachelor’s degree or scientific bachelor’s degree (Physics, Chemistry, Science and Technology, Mechanics, Engineering Sciences, etc.).

— **Master’s Year 2**: Students holding a scientific M1 level, engineering students in dual curriculum, students of the Fédération Gay-Lussac in mobility.

**Selection process**

Base on application.

#### DIPLOMA DELIVERED

National Master’s degree conferred by Université PSL and prepared at Chimie ParisTech – PSL.

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**More information**

psl.eu/en/education/master-s-degree-nuclear-energy

**Contact**

PSL’s Head of the master’s program and the Fuel Cycle track:
Grégory Lefèvre

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### Université PSL

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go @psl_univ

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DIPLOME NATIONAL DE MASTER CONTROLE SUR L’ETAT
Located in the heart of Paris, the International Center for Fundamental Physics and its interfaces (ICFP) offers a comprehensive and diverse Master’s education in theoretical and experimental aspects of fundamental physics. Led by the Ecole normale supérieure – PSL, the Master’s program of Fundamental Physics is intended for both French and international students wishing to obtain a first-class education in fundamental physics. The curriculum spans a broad spectrum of disciplines, including high energy physics, statistical physics, atomic physics, condensed matter physics, astrophysics, and physics for biology.

Courses are jointly organized with the following partner universities and institutions: Sorbonne Université, Université de Paris, Université Paris-Saclay and Institut Polytechnique de Paris.
### CURRICULUM

#### Master 1 (60 ECTS)

1 single track proposed  
International Centre for Fundamental Physics and its interfaces  

<table>
<thead>
<tr>
<th>Compulsory and optional courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminars</td>
<td></td>
</tr>
</tbody>
</table>

6-month internship in a research laboratory  
usually abroad (full-time undertaking)

#### Master 2 (60 ECTS)

4 programs  
Condensed matter Physics, Soft matter and biological physics, Quantum Physics, Theoretical Physics  

<table>
<thead>
<tr>
<th>Large variety of optional courses</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Seminars</td>
<td></td>
</tr>
</tbody>
</table>

3-month internship in a research laboratory  
(experimental or theoretical), in France or abroad  

Research career advice

### LEARNING OUTCOMES

The first year offers multiple lectures covering a wide range of topics in modern physics, from fundamental interactions to biophysics, and also several aspects of quantum mechanics and condensed matter physics, to name just a few. Students follow those lectures, chosen according to their interests and for a total of 30 ECTS during the first semester. The second semester is devoted to a 6-month research internship in French or foreign laboratories, in any field of physics or its interfaces.

The second year is organized around four different programs: Condensed Matter Physics; Soft Matter and biological physics; Quantum physics: from atoms to the solid state; Theoretical Physics.

### DIPLOMA DELIVERED

National Master’s degree diploma conferred by Université PSL and prepared at ENS – PSL.

### ADMISSION

**Prerequisites**

The International Centre for Fundamental Physics welcomes applications from French and international students with a solid background in physics and mathematics, holding a Bachelor’s degree or an equivalent academic qualification.

Direct admission into the second year is possible for suitably qualified French and international students. As a general rule, students from French engineering schools and students who already hold a minimum of 60 ECTS in the field of interest at post-graduate level are welcomed.

Please note that this master’s degree is part of the study program of the International Centre for Fundamental Physics at Ecole normale supérieure. Admission to each level is highly selective, and an overall assessment is made of the applicant’s suitability to complete the full curriculum.

**Languages:** English fluency (CA level). There is no formal French language requirement.

### TEACHING LOCATIONS

Classes are held in the heart of Paris on the campuses of the participating institutions.

---

**More information**

phys.ens.fr > Education > ICFP Masters program

**Contact**

applicationicfp@phys.ens.fr

**Université PSL**

psl.eu  

f @PSLuniv  

t @psl_univ
With its broad disciplinary spectrum that includes the fundamentals of physics and mathematics, more specialized courses in astronomy and astrophysics and observation-based practicums, the Master’s Degree in Space Science and Technology at Observatoire de Paris–PSL is designed to train the scientists and researchers of the future in astronomy and astrophysics. Offering state-of-the-art training in those fields, the Master’s program also includes courses shared with ENS–PSL and partner universities. This Master’s degree program is part of PSL’s graduate program in Astrophysics.

**MAIN ASSETS**

— Close ties to the largest space astrophysics laboratories in Greater Paris: LESIA, GEPI, LUTH, SYRTE, LERMA, IMCCE, IAP, CEA, IAS, etc.

— An extensive environment of international partners, including universities (University of Cambridge), European manufacturers (Airbus Defence and Space, Thales, Sodern, etc.), space agencies (CNES, ESA) and more.

— Very high-level interdisciplinary training that offers a diverse curriculum of exceptional quality as well as lectures, practicums and internships in space studies.

— Access to innovative teaching methods (methodology projects) and unique instruments (telescopes).

— A choice of four concentrations: Astrophysics (AΦ); Dynamics of Gravitational Systems (DSG); Planetary Science and Space Exploration (PES); Tools and Systems of Astronomy and Space (OSAE).

— Diverse career prospects in France and worldwide.

**LEARNING OUTCOMES**

The Master’s degree is designed to educate scientists and researchers with specialized knowledge in the fields of astronomy and astrophysics. Its training in research prepares students to pursue a doctorate and/or a career in engineering in the public or private sector. The curriculum also provides research exposure and experience to future teachers and/or professionals in other fields, such as knowledge dissemination and science journalism.

**OPPORTUNITIES**

— Research tracks (DSG, AΦ, PES): Students can pursue a PhD in fundamental or applied research in astronomy, astrophysics and related technology at the Ile de France Astronomy and Astrophysics Doctoral School (ED 127) or any other doctoral institution in France or worldwide.

— Professional track/Space Engineering: Students can pursue careers as project managers and engineers in the field of space technology (major industries, small businesses, space agencies, international organizations, etc.) or on teams that design, produce, test or deploy systems for space observation, digital analysis or data processing.
### INSTRUCTIONAL CONTENT

**Master’s Year 1 (M1):** Gravitation; Relativity and Time; Dynamics of Dilute Suspensions; Instrumentation and Methods; Earth and Planetary Science; Space Science; Computer Science; English.

**Master’s Year 2 (M2):** Classical and Relativistic Gravitation; Dynamic Systems and Celestial Mechanics; Geodesy; Radiation; Instrumentation; Cosmology; Planetology and Exoplanets; Magnetohydrodynamics; High Energy; Galactic and Extragalactic Astronomy; Space Techniques and Technology.

### PARTNERS

- Industries: Airbus Defence and Space, Thales, Sodern, etc.
- National and international bodies: French National Centre for Space Studies (CNES), European Space Agency (ESA).
- Universities: Sorbonne Université, Université Paris-Saclay, Université Paris-Diderot.

### DIPLOMA DELIVERED

National Master’s degree conferred by Université PSL and prepared at Observatoire de Paris–PSL.

### ADMISSIONS

**Desired backgrounds**

- **M1:** Students who hold a Bachelor’s degree in science and students from engineering schools in France or abroad who wish to specialize in astrophysics. Students with a Bachelor’s degree in mathematics or earth science may be accepted if their acquired knowledge is deemed suitable for their planned course of study.
- **M2 (OSAE track):** Students with an M1-level education or the equivalent. A general education in physics at the Bachelor’s level is recommended; students should also have strong computer and scientific programming skills.
- **M2 (AΦ, DSG or PES track):** Student engineers from France’s Grandes Écoles and students from an École Normale Supérieure; students with an M1-level education or the equivalent.

**Selection process for master’s year 1**

Based on an application and interview.

Dossier à remplir en ligne : ufe.obspm.fr/candidatures_ufe/

### TEACHING LOCATIONS

The campuses of Observatoire de Paris–PSL (Paris and Meudon sites) and its partner universities.

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**More information**

ufe.obspm.fr/Master

**Contact**

Master 1 : Master1.administration@obspm.fr
Master 2 : Responsables.m2r@obspm.fr
• PSL PhD

PSL Schools offer doctoral preparation in an exceptional scientific environment.

At PSL, doctoral preparation takes place within the framework of a Doctoral School and a Graduate Program.
An unparalleled scientific setting to create, launch, innovate... and meet the top challenges of the contemporary world. A PSL doctoral program offers a world-class education in any discipline, as well as close supervision through the Doctoral College.

Excellence • An academic environment where basic research and applied research communicate; where universities, research entities, and the business world are in dialog; where freedom of thought and entrepreneurial spirit are encouraged.

Interdisciplinarity • Hard sciences, humanities, social sciences, the arts... PSL's cross-disciplinary research environment is specifically designed to stimulate interactions and collaborations between disciplines and foster the free flow of ideas and talent.

Innovation • A spirit of creativity and experimentation inspires everything that PSL does. It contributes to the creation of unique research initiatives and the transfer of technology and knowledge, and promotes the emergence of disruptive innovations.

Supervision • A dedicated structure, the Doctoral College, is responsible for implementing PSL's doctoral policy, coordinating some 30 schools and 2 doctoral programs, promoting the PSL PhD degree, disseminating best practices, and monitoring the professional progress of PSL's PhD graduates.

PSL University offers its doctoral students and young researchers a panorama of opportunities to explore all the great challenges of our society. Experimental, theoretical, incremental research in entrepreneurship... The fields of application cover all areas of science, arts, engineering, humanities and social sciences.

PSL doctoral students benefit from significant internal material support for the progress of their work: electronic resources, state-of-the-art equipment, libraries and museums.

FEW FIGURES ON PSL PHD

2,330 DOCTORAL STUDENT
600 NEW DOCTORAL STUDENTS EACH YEAR
29 DOCTORAL SCHOOLS
41% WOMEN
41% INTERNATIONAL DOCTORAL STUDENTS
JOIN PSL

— An internationally recognized doctoral degree
The PSL PhD offers a threefold guarantee: the French degree most widely recognized worldwide, awarded by France’s top-ranked university, and acquired at one of France’s largest institutions of higher education.

— Immersion in a state-of-the-art research environment
By joining PSL, you gain access to a high-level interdisciplinary research environment. 181 laboratories, 14 Labex, 6 IRIS, 10 Chairs of Excellence, a community of more than 4,500 researchers...
But also many partnerships with the industrial and socio-economic world and the largest research organizations (CNRS, Inria, Inserm).

— Access to a wide range of disciplines, covering all fields of research
Science and engineering, humanities, economics and social sciences, the arts... The richness and diversity of the specialties of our 30 doctoral schools will allow you to explore the boundaries of your discipline while developing a transdisciplinary intellectual approach.

— Access to an international and multidisciplinary research community
Countries, disciplines or institutions... At PSL, research has no borders. Through cross-cutting education and international projects with the largest universities, you will connect with doctors, researchers and PSL alumni of diverse backgrounds.
There are many opportunities to stimulate your creativity, discover new methodologies and create a network of unequalled cultural and geographical diversity, bringing together leaders in research and innovation and contact with industry actors.

— The guarantee of dual expertise, both scientific and professional
Communications, management, ethics and scientific integrity, career planning, teaching, entrepreneurship, languages... To enrich your skills and hone your future aspirations, the Doctoral College offers a large catalog of cross-cutting and professional training opportunities in various formats (modules, lecture series, MOOC, etc.).

— A research environment geared toward your success
Digital resources (more than 4 million documents online), state-of-the-art equipment, 90 libraries... At PSL, you will have all the essential material support for your individual and group work, plus the benefit of the wealth of cultural and living spaces available at our 25 institutions (co-working spaces, fablabs, artists’ studios, etc.).

— A springboard for your doctoral career
Teaching, basic research, entrepreneurship... Public sector or private sector? Whatever your ambitions, a PhD at PSL will open all doors for you. As the first step in your professional life, this recognized experience of conducting research projects will allow you to acquire a solid and complete range of know-how and skills while developing your knowledge of the socio-economic world.

— Working to promote your doctorate
Whether to disseminate and transfer knowledge, or to help advance your career, PSL’s Doctoral College provides opportunities for you to participate in important events and promotional activities (such as contests, “My thesis in 180 seconds”, fairs, and the PhD Talent Career Fair).

EMPLOYMENT*

87,5% employed within a year
61% in R&D or education
42% in the private sector
6% in business creation / entrepreneurship
40% working abroad

*2017 PhD Employment Survey, on 404 PSL’s doctors

REGISTRATION

To register, please contact one of the doctoral schools accredited or co-accredited with PSL.
Registration details are available online (collegedoctoral.psl.eu > doctorat-psl > inscription-doctorat).

Please note: At Université PSL, preparation for PhD is part of a Graduate Program.

More information
collegedoctoral.psl.eu

Contact
college-doctoral@psl.eu

 Université PSL
psl.eu

@PSLuniv
@psl_univ

133
PSL DOCTORAL SCHOOLS

EARTH AND SPACE SCIENCES
• Astronomy & astrophysics (DS 127)
• Geoscience, natural resources & environment (DS 398)
• Earth and environmental sciences and physics of the universe, Paris (DS 560)
• Environmental science of Ile de France (DS 129)

MATHEMATICS, PHYSICS, CHEMISTRY, ENGINEERING SCIENCES
• Molecular chemistry of Paris (DS 406)
• Physical & analytical chemistry of Paris (DS 388)
• Systems, materials, mechanics and energy engineering (DS 621)
• Mathematics Hadamard (DS 574)
• Physics of Ile de France (DS 564)
• Physics & chemistry of materials (DS 397)
• Information and communication sciences and technologies (DS 84)
• Fundamental and applied sciences (DS 364)
• Mathematical science of Paris (DS 386)
• Mechanics, acoustics, electronics & robotics of Paris (DS 391)
  Decision, Organization, Society and Exchange Sciences (DS 543)

BIOLOGY, MEDICINE AND HEALTH
• Bio Sorbonne Paris Cité Doctoral School (DS 562)
• Cancerology: biology, medecine, health (DS 582)
• Brain cognition behavior (DS 158)
• Life science complexity (DS 515)
• "Frontières du vivant" Doctoral School (DS 474)
• Hematology, oncogenesis, biotherapies (DS 561)
• Medication, toxicology, chemistry, imaging (DS 563)
• Signalling and integrative networks in biology (BIOSIGNE) (DS 568)
• Structure and dynamics of living systems (DS 577)
  École Pratique des Hautes Études Doctoral School (DS 472)

HUMANITIES AND SOCIAL SCIENCES
• Economics Panthéon-Sorbonne (DS 465)
• Ecole des Hautes Etudes en Sciences sociales Doctoral School (DS 286)
• Ecole Pratique des Hautes Etudes Doctoral School (DS 472)
• Modern and contemporary history (DS 188)
• Interdisciplinary Doctoral School (Humanities / Sciences) (DS 540)
• Decision, Organization, Society and Exchange Sciences (DS 543)
ENTREPRENEURSHIP

- Student Entrepreneur degree at PSL-Pépite
- Intrapreneurship and digital transformation program (CFEE)
Do you have a special passion for entrepreneurship? Regardless of your career plan, PSL-Pépite's diploma curriculum will give you the keys to fulfilling your ambition. Offering classroom instruction and personalized support, along with workshops, lectures, hackathons, coworking spaces, and corporate relations, the PSL-Pépite program provides a comprehensive immersion in the entrepreneurial environment, all in the heart of Paris.

MAIN ASSETS
— A personalised one-year diploma (60 ECTS)
— Complementary modules : expert workshops, lectures and tailor-made training courses
— Individualized support by a mentor (academic or professional)
— A community of more than 50 partners (large groups, start-ups, associations etc.)
— Support for participation in competitions dedicated to business creation
— Privileged access to PSL’s innovation spaces (PSL-Lab, Bulle électrique at the École des Mines – PSL, Espace D-Start at Dauphine – PSL) encouraging the sharing of experience with other student-entrepreneurs.

LEARNING OUTCOMES
PSL-Pépite is dedicated to all students and young PSL alumni that are looking to work on a project to create a company. It aims to give students the skills, services and support that they need to realize their project.

PERSONALIZED TRACKS
According to his or her profile, each student will be able to follow training modules proposed by PSL-Pépite, by PSL schools and/or by partners. Depending on the desired level of commitment and the maturity of the project, 4 courses are proposed :
— Initiation for students with a strong entrepreneurial appetite
— Pre-support - for students with a defined project, wishing to reconcile studies and entrepreneurship
— Support - for students working full-time on their project and looking for support on a daily basis
— Autonomy - for students who are already incubated interested in a practical training focused on media and press relations issues.

DEVELOPED SKILLS
— Entrepreneurial skills : spirit of initiative, leadership, creativity, autonomy, interpersonal skills, risk management
— Know-how : project structuring, market analysis, project financing, intellectual property, mastery of legal fundamentals etc.
Workshops at the PSL Lab, PSL’s coworking space

— Business strategy
— Marketing
— HR
— Purchasing
— Business growth
— Communication
— Finance
— Time and resource management
— Logistics

On demand

— Training courses for creation with the Entrepreneurielles
— Transmission and feed back with the association 100 000 Entrepreneurs
— Participation in PSL-iTeams
— Internships

Student Entrepreneur Status at PSL

— Access to PSL Prototyping Support
— Mentoring
— Support for the Tremplin Pépite prize
— Replacing of the internship with the entrepreneurial project

ASSESSMENT PROCEDURES

— A project defense midway through the program (30%). This will address the project’s added value for users, the distribution of responsibilities, the business model, key performance factors, the progress made to date and the short-term or long-term roadmap. The jury will consist of the mentor and a PSL-Pépite advisor at a minimum.

— A final defense accompanied by a presentation (30%). This will evaluate process improvement, key performance indicators, modifications to the product and/or proof of concept and the one-year outlook and objectives. This defense is made before a jury that consists of a member of the PSL-Pépite instructional committee, an advisor from the student’s institution or the student’s mentor and a PSL-Pépite advisor.

— A continuous assessment score (40%) on the student-entrepreneur’s commitment throughout the year-long program.

TEACHING LOCATIONS

Paris, in PSL’s coworking spaces booked for student-entrepreneurs, for instance the PSL-Lab (260 sq m², 40 posts, Paris 5e).

More information
psl.eu/en/education/student-entrepreneur-degree-psl-pepite-d2e

Contact
psl-pepite@univ-psl.fr
The latest offering in the CFEE curriculum (Student-Business Educational Campus) – a collaborative effort between Université PSL, the Innovation Factory and the Web School Factory – is a 10-month interdisciplinary training program in intrapreneurship in which students carry out real-life digital transformation projects. CFEE combines the academic excellence of the partner schools with close ties to the business world and innovation environment. Its goal is to develop a new generation of talented managers, decision-makers, entrepreneurs and intrapreneurs at the forefront of challenges in digital innovation. Basé sur une pédagogie active, Based on active learning, CFEE offers a unique opportunity for networking, apprenticeship and collaboration between students and professionals in a stimulating environment – the CFEE campus – located in the heart of Paris.

**Curriculum**

The course of study includes two semesters, each with a five-month intrapreneurship. Projects are at the heart of the CFEE program. Each project focuses on real-world issues in digital transformation and digital innovation, proposed by partner companies. Each semester kicks off with a hackathon (PSL Hack) devoted to a specific topic and combines coursework and seminars, collaborative work in teams comprising a mix of four or five students and employees, and work experience in the business that initiated the project. The program includes mandatory courses (essential tools for project management) and electives (introductory training) and is overseen by the CFEE faculty, including project directors, mentors and outside specialists.

**Developed Skills**

— **Know-how**: project management, customer focus and relations, design thinking, communication, UX/UI, techniques for creativity, business plans, acquisition of the basics and tools for running a digital company
— **Entrepreneurial attributes**: initiative, creativity, independence, ease in interpersonal relationships, leadership.
— **Soft skills**: listening skills, adaptability, the ability to work in mixed teams

**Main Assets**

— **Innovative, project-based instruction**, based on hands-on experience and real-life situations onsite at the company.
— **Multiple instructional formats**: modules on innovation, intrapreneurship and digital technology; team projects; mentoring.
— **A unique curriculum that encourages diversity and a range of backgrounds** within each class and project team (including students, professionals in executive education and employees from partner companies) so as to encourage the transfer of skills, a cultural mix and the sharing of experience.
— **Immersion in an environment of multisector partner companies**, including large corporations and industrial conglomerates, that are focused on digital transformation issues and seeking innovation.
— **A student campus in the heart of Paris** dedicated to collaboration and working in project mode.
ASSESSMENT METHODS
3 types of skills are assessed: theoretical skills through teaching, practical skills through projects and collaboration (writing deliverables), and interpersonal skills through individual and collective positioning.

At the end of the course, CFEE delivers a diploma of establishment "Intrapreneurship and digital transformation" from the University PSL validating 60 ECTS credits.

CAREER OPPORTUNITIES
The development of businesses arising from the projects, supported or transferred by the company (entrepreneurship or intrapreneurship).

TEACHING LOCATIONS
— CFEE Campus in the heart of Paris: driver site of experimentation combining individual and collective workspace, and space of conviviality
— Partner schools
— Partner companies Headquarters during the weeks of immersion in the company.

ADMISSIONS
Who should apply?
— Gap year students (M1/M2) or holders of a Master’s degree from a PSL school in the humanities and social sciences, hard sciences or engineering.
— Full-time fifth-year students at the Web School Factory
— Students working toward a Level 1 Degree (5-year degree, equivalent to a Master’s degree) recognized by the French government (RNCP).
— Professionals enrolled in lifelong learning (business executives in management positions who hold a Level 1 Degree or have some level of post-secondary education combined with work experience), including employees from the partner companies.

Selection process
Based on application and interview

Admission criteria
An interest in intra/entrepreneurship; an interest in digital culture, innovation and business models for the web; organizational skills; a career plan that includes the creation or acquisition of a business, company or business unit.

More information

Contact
cfee@psl.eu