

FACT SHEET FOR INCOMING STUDENTS

Admissions for AY 2024-2025

CONTACTS		
Location	Cité Descartes (Champs-sur-Marne) 20 km from Paris center 30 minutes by public transport (subway)	École des Ponts ParisTech 6-8 avenue Blaise Pascal 77420 Champs sur Marne / France www.enpc.fr
International relations	Head of international mobility - Pre-arrival - Requests and inquiries - Student life	Emmanuel.simantov@enpc.fr +33 1 64 15 33 97
	International Mobility Assistant - Scholarships	Tianxiang.chen@enpc.fr +33 1 64 15 22 09
Student services	Marie Mathieu-Pruvost Dean of studies	marie.mathieu-pruvost@enpc.fr +33 1 64 15 39 40
	To be determined Deputy Dean of studies	+33 1 64 15 39 91
	Office of Student Affairs ("Bureau de la vie étudiante" - BVE) : - Housing - Ecole des Ponts ParisTech scholarship program	bve@enpc.fr +33 1 64 15 35 10
NOMINATION AND APPLICATION		
Nomination deadline	<p>Before submitting their application, students have to be officially nominated by their home university. Nominations should be endorsed by the international coordinator. Only nominations through e-mails sent to emmanuel.simantov@enpc.fr are accepted.</p> <p>Please note that only nominations from our partner universities will be taken into consideration.</p> <p>Deadline for nominations : 24/03/2024 for students applying for a Master programme in 2024-2025 in the framework of our partnership agreement.</p>	
Application deadline	<p>Deadline for applications : 31/03/2024 for students applying for a Master programme in 2024-2025 in the framework of our partnership agreement.</p>	
Application procedure	<p><u>Online Application Process</u></p> <p>The application process must be done by using our online application tool: https://crm.enpc.fr/community/enpc/custom_forms/184</p> <ul style="list-style-type: none"> - Complete the online form - Upload the required documents in the platform - On the last step of the submission tool, students are asked to indicate the email address of the person who will write their recommendation letter (called "referee"). An automatic email will be sent to the referee, with a link to allow him/her sending the recommendation letter directly to the application tool. - Any incomplete application file may be rejected. 	

	<p><u>Remote interview</u></p> <p>All applicants will have a remote interview with the Director of the Master they are applying to and an officer of the Direction of International Relations at Ecole des Ponts ParisTech.</p> <p>This 30 to 45 minute interview will be held in English or in French, depending on the applicant's choice.</p>
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ACADEMIC INFORMATION

Semester dates	<p>Academic year 2024-2025 (depending on the Master's Programme) :</p> <ul style="list-style-type: none"> - Fall semester: September 2024 to February/March 2025 - Internship period : as from March/April 2025
Grading system	<p>Grades at École des Ponts ParisTech are awarded on a scale of 0 to 20. The passing grade for an individual course is 10/20. Traditionally, grades higher than 16 are seldom awarded.</p> <p>A transcript of records will be sent free of charge to the partner university's exchange coordinator (or to the student) at the end of the study period.</p>

STUDENT SERVICES

Living expenses	<p><u>Cost of living in Paris : 850 €/month as a minimum</u></p> <p>Housing : 400 - 650 €/month on campus (less 150 to 200 €/month governmental housing allowance)</p> <p>Food : 300 €/month</p> <p>Transportation : 40 €/month for Greater Paris</p> <p>Other : 250 €/month (leisure, outings, mobile phone, internet, ...)</p> <p>More information here : https://www.campusfrance.org/en/preparing-budget-student-France</p>
Scholarships	<p>If you are accepted, Ecole des Ponts ParisTech will help you to apply for the various scholarships you may be eligible for</p>
Health insurance	<p>Health insurance is compulsory and free when studying in France. Once in France, students have to register for the French social security scheme. Such scheme reimburses up to 70% of major medical expenses.</p> <p>Students from EU are automatically registered provided they bear their European health insurance card.</p> <p>To be fully covered, students can also register to an optional complementary private health insurance.</p> <p>Information is available on the platform of our partner FEEL FRANCAIS, which will send identifiers to all admitted students after their admission (see additional information in the Welcome desk section hereafter).</p>
Visa	<p>Visa requirements differ per country. We recommend that students directly contact the French Embassy or Consulate in their country. They will get up-to-date information on the process to get a visa, including the related cost.</p>

Facilities	<ul style="list-style-type: none"> - 4 auditoriums - 32 classrooms seating 15 / 20 or 30 / 50 people - « La Ruche », a co-working space - Learning Center : 200 000 documents available upon reservation - 9 open-access computer rooms - Gymnasium (tennis, basketball, handball, football) and rugby pitch - A professional studio, available upon request - Hosting d.school Paris, dedicated to design thinking - A maker space (3D printing...) - 2 incubators dedicated to student entrepreneurship - 1 co-innovation lab including 3 technical platforms dedicated to smart cities
Welcome desk	<p>International students are offered a bespoke service provided by our partner FEEL FRANCAIS, through a specific online French/English platform or direct contacts (mail, sms ...).</p> <p><u>Assistance before arriving in France :</u></p> <ul style="list-style-type: none"> - Visa application - Accommodation - Subscription to mandatory housing and liability insurances - French bank account opening - Subscription to a mobile phone plan - Payment of CVEC (double degree students only) <p><u>Assistance after arriving in France :</u></p> <ul style="list-style-type: none"> - Mandatory visa validation - Registration to the French social security scheme - Application for the Government housing allowance - Subscription to a private health insurance - Subscription to a public transportation card ... <p>Shortly after their admission, all admitted students will receive a login to connect to FEEL FRANCAIS platform dedicated to Ecole des Ponts ParisTech.</p> <p>More information about FEEL FRANCAIS: https://ecoledesponts.fr/download/158945</p>

Master degree
"Mechanics of Soils, Rocks and Structures in their Environment"

- Presentation of the programme : <https://ecoledesponts.fr/en/masters-mechanics-soils-rocks-structures-environment>
- One course semester fully taught in French + one semester internship
- Programme jointly operated by Ecole des Ponts ParisTech, Centrale Supélec, Sorbonne Université, Ecole Polytechnique, Ecole Normale Supérieure de Cachan and Université Gustave Eiffel
- For students with a first year Master's degree (M1) in an Engineering School (Civil Engineering or Life Science).
- Full brochure available upon request at Emmanuel.simantov@enpc.fr

<u>CONTACTS</u>	
CUI Yu Jun - Programme Director	yu-jun.cui@enpc.fr +33 1 64 15 35 50
<u>APPLICATION</u>	
Required documents	<ul style="list-style-type: none"> - Statement of purpose in English or French (350 words), which explains how student's projected studies at École des Ponts ParisTech coincide with their studies to date and their future career plans; students should indicate their experience, achievements and skills with respect to their area of studies; - CV in French or English (using the Europass CV model : https://europa.eu/europass/en); - Stamped transcript of records (in French or English) over the last 3 years, issued by the home university with a French translation (or English translation) of the grading system of the home university; - Ranking certificates in the student's school/department; - List of courses in which the student is currently enrolled; - Identification : <ul style="list-style-type: none"> ✓ EU citizen : Photocopy of valid passport or identity card; ✓ Non EU citizen : Photocopy of valid passport - Proof of French language level (DELF); - Recommendation letter sent by the Referee through the platform. - Learning agreement signed by the home university.
Scientific prerequisites	Applicants should have good knowledge in : <ul style="list-style-type: none"> - Elasticity of solids / Continuum Mechanics - Numerical methods / Finite elements - Soil mechanics / Geotechnics

Language requirements	<p style="text-align: center;">Requirements in French</p> <p>B2 level or more is required. Such level must be certified by an official certificate (DELF) to be sent in the application.</p> <p style="text-align: center;">Requirements in English</p> <p>As the programme is entirely taught in French, no prior knowledge of English is required.</p>
ACADEMIC INFORMATION	
Duration	1 semester of coursework + 1 semester internship
Study programme	<p>The course programme for the 1st semester is available here : https://ecoledesponts.fr/master-mecanique-des-sols-des-roches-et-des-ouvrages-dans-leur-environnement-msroe</p> <p>All the courses are compulsory.</p>
Internship	<p>The internship is compulsory and must be carried out in the second semester. The minimum duration is four months full-time, but a 6 month duration is strongly recommended as a longer internship is easier to find and allows to address more interesting problems.</p> <p>We receive numerous internship proposals from various universities and companies like Antea Group, BIE Eiffage, BRGM, Colas, EDF, SETEC, Tractebel Engie, Ginger BTP... Of course, students can also search for an internship on their own.</p> <p>Some examples of internships recently carried out :</p> <ul style="list-style-type: none"> • Companies : <ul style="list-style-type: none"> ✓ Ginger BTP : Aléa sismique : calculer l'aléa sismique sur un site spécifique pour différents contextes sismiques (zone stable, zone de subduction, etc...). ✓ COLAS : Etude sur l'adhérence des chaussées en laboratoire ✓ Tractebel Engie : Modélisation non-linéaire tridimensionnelle de grands barrages à masque amont en béton • Universities <ul style="list-style-type: none"> ✓ Laboratoire Navier : Mécanique des failles d'argiles gonflantes : approche granulaire ✓ Université Gustave Eiffel : Liquéfaction des sols : caractérisation du comportement sous séisme des sables liquéfiables de la rivière Kupa (Croatie) ✓ Centrale Supélec : Modélisation au séisme d'un barrage en enrochement peu compacté <p>Further to their internship, students must write a 20-page report and present their work in an oral defense before a jury.</p> <p>Please note that the French regulation obliges any employer to pay his trainees as long as the internship lasts more than 2 months. In 2024, the minimum is set at 4,35 €/hour, which is roughly 600 €/month.</p>

Graduation modality	To be graduated from the Master's programme, students must have a minimum 10/20 in each individual course and in the internship, after the defense of their report.
Fees	<p>Depending on the terms of the agreement with the partner university, students are subject to different tuition fees.</p> <p>Note : all the tariffs indicated hereafter are 2023-2024 tariffs, and are subject to change in 2024-2025.</p> <p><u>Tuition fees</u> :</p> <ul style="list-style-type: none"> - Waiver or domestic tariff, depending on the agreement - 2023-2024 domestic tariff : 670 €/year. <p><u>CMCI</u> (special fee for international students) = 1 000 €/year</p> <p><u>CVEC</u> (Contribution for student and campus life) : 100 €/year</p>

Master Degree
"Materials Sciences for Sustainable Construction"

- Presentation of the programme : <https://ecoledesponts.fr/en/masters-material-science-sustainable-construction>
- One course semester **fully taught in English** + one semester internship
- For students holding an engineering degree, or students with a first year Master's degree (M1) or equivalent in Mechanics, Physics or Materials Science.

<u>CONTACTS</u>	
Xavier CHATEAU - Programme Director	xavier.chateau@enpc.fr +33 1 81 66 84 69
<u>APPLICATION</u>	
Required documents	<ul style="list-style-type: none"> - Statement of purpose in English or French (350 words), which explains how student's projected studies at École des Ponts ParisTech coincide with their studies to date and their future career plans; students should indicate their experience, achievements and skills with respect to their area of studies; - CV in French or English (using the Europass CV model : https://europa.eu/europass/en); - Stamped transcript of records (in French or English) over the last 3 years, issued by the home university with a French translation (or English translation) of the grading system of the home university; - Ranking certificates in the student's school/department; - List of courses in which the student is currently enrolled; - Identification : <ul style="list-style-type: none"> ✓ EU citizen : Photocopy of valid passport or identity card; ✓ Non EU citizen : Photocopy of valid passport - Proof of English language level; - Recommendation letter sent by the Referee through the platform; - Learning agreement signed by the home university.

<p>Scientific prerequisites</p>	<p><i>Mechanics (fluid and solid)</i></p> <ul style="list-style-type: none"> - Eulerian and Lagrangian description of the motion, - Cauchy stress tensor, - Strain and rate of strain tensors, - Balance equations (mass, momentum, energy), - Elastic solids, - Newtonian fluids, - Boundary value problems. <p><i>Physics</i></p> <ul style="list-style-type: none"> - Density, concentration, - Perfect gas law, partial pressure, - Specific heat, latent heat, - Diffusion (elementary level), - Fluid interfaces (elementary level), - Electromagnetism, - Statistical physics, - Thermodynamics, - Phases diagrams, - Solid-state physics (fundamental levels). <p><i>Applied mathematics</i></p> <ul style="list-style-type: none"> - Applied mathematics: - Linear algebra and vector calculus (dot product, gradient, divergence, curl), - Derivation and integration, - Differential equations, - Numerical methods for solving PDEs, - Laplace and Fourier transform, - Statistics (elementary level: random space, expectation and covariances, ...). <p><i>Chemistry (Basic notions)</i></p> <ul style="list-style-type: none"> - Periodic classification, - Atomic structure, - Stoichiometry, - Chemical equilibrium. <p><i>Programming (Basic notions)</i></p> <ul style="list-style-type: none"> - Python language
<p>Language requirements</p>	<p style="text-align: center;">Requirements in English</p> <p>B2 level or more is required. Such level must be certified by an official certificate (TOEIC, TOEFL, IELTS, Cambridge) to be sent before joining the campus.</p> <p>We do not require the certificate at the time of the application. However, students will have to provide it before June 7th 2024.</p> <p style="text-align: center;">Requirements in French</p> <p>As the programme is entirely taught in English, no prior knowledge of French is required. However, we encourage admitted students to have some knowledge in French for a better experience in their day-to-day life.</p>

ACADEMIC INFORMATION

Duration	1 coursework semester + 1 semester internship
Study programme	<p>The course programme for the 1st semester is available here : https://ecoledesponts.fr/en/masters-material-science-sustainable-construction</p> <p>All the courses are compulsory.</p>
Internship	<p>The internship is compulsory and must be carried out in the second semester. The minimum duration is four months full-time, but a 6 month duration is strongly recommended as a longer internship allows to address more interesting problems.</p> <p>Finding an internship in France for a non French-speaking student is not an issue. None of our previous non French-speaking students had any difficulty to get one whether in a lab or in a company.</p> <p>We receive numerous internship proposals (around 50 each year) from various universities and companies like Holcim, Saint Gobain, Bouygues, Total, EDF, ... Of course, students can also search for an internship on their own.</p> <p>Some examples of internships recently carried out :</p> <ul style="list-style-type: none"> • Laboratoire Navier : <ul style="list-style-type: none"> ✓ Aging of liquid foams confined in porous media; ✓ 3D printing of yield stress fluids; ✓ Characterization by 2D NMR and MRI of water exchanges between cement paste and porous aggregates; ✓ Microstructure and mechanical behavior of 3D printed anisotropic composites. • Saint Gobain : Study on the formulation robustness for 3D Printing raw earth materials. • Holcim : <ul style="list-style-type: none"> ✓ Concrete mix design optimization tool ✓ Numerical predictive model for the compressive strength of mortar. <p>Further to their internship, students must write a 40-page report (a template will be provided) and present their work in a 45-minute oral defense before a jury of three professors.</p> <p>Please note that the French regulation obliges any employer to pay his trainees as long as the internship lasts more than 2 months. In 2024, the minimum is set at 4,35 €/hour, which is roughly 600 €/month.</p>
Graduation modality	<p>To be graduated from the Master, the 2 semesters must be validated separately :</p> <ul style="list-style-type: none"> - Course semester : students must obtain a minimum average of 10/20 calculated over all the courses (and not 10/20 on each individual course) - Internship : students must obtain a minimum grade of 10/20 after the defense of their internship report.

Fees	<p>Depending on the terms of the agreement with the partner university, students are subject to different tuition fees.</p> <p>Note : all the tariffs indicated hereafter are 2023-2024 tariffs, and are subject to change in 2024-2025.</p> <p><u>Tuition fees :</u></p> <ul style="list-style-type: none">- Waiver or domestic tariff, depending on the agreement- 2023-2024 domestic tariff : 670 €/year. <p><u>CMCI</u> (special fee for international students) : 1 000 €/year</p> <p><u>CVEC</u> (Contribution for student and campus life) : 100 €/year</p>
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Master Degree
"Transport and Mobility"

- Presentation of the programme: <https://ecoledesponts.fr/en/masters-transport-mobility>
- Programme jointly operated by Ecole des Ponts ParisTech and Ecole d'Urbanisme de Paris
- One course semester fully taught in French + one semester internship
- For students with or currently enrolled in a first year Master's degree (M1) in Civil Engineering, Transport, Urbanism, Economy, Geography...

<u>CONTACTS</u>	
Emeric FORTIN - Programme Director for ENPC	emeric.fortin@enpc.fr +33 1 64 15 35
<u>APPLICATION</u>	
Required documents	<ul style="list-style-type: none"> - Statement of purpose in English or French (350 words), which explains how student's projected studies at École des Ponts ParisTech coincide with their studies to date and their future career plans; students should indicate their experience, achievements and skills with respect to their area of studies; - CV in French or English (using the Europass CV model: https://europa.eu/europass/en); - Stamped transcript of records (in French or English) since the end of the since of secondary education, issued by the home university with a French translation (or English translation) of the grading system of the home university; - Ranking certificates in the student's school/department; - List of courses in which the student is currently enrolled; - Identification : <ul style="list-style-type: none"> ✓ EU citizen : Photocopy of valid passport or identity card; ✓ Non EU citizen : Photocopy of valid passport - Proof of French language level; - Recommendation letter sent by the Referee through the platform; - Learning agreement signed by the home university.
Scientific prerequisites	<p>Basic mathematics and statistics :</p> <ul style="list-style-type: none"> - basic matrix calculation - calculation of partial derivatives - optimization - basic statistics and probability - good command of Excel

Language requirements	<p style="text-align: center;">Requirements in French</p> <p>B2 level or more is required.</p> <p>Such level can be certified by an official certificate (DELFF, DALF, TCF, TEF) to be sent before joining the campus. We do not require the certificate at the time of the application. However, students will have to provide it before June 7th 2024.</p> <p>Alternatively, we accept statements issued by the home university highlighting the French taught courses taken by the applicant and indicating an estimate of his level in the French language.</p> <p style="text-align: center;">Requirements in English</p> <p>As the programme is entirely taught in French, no prior knowledge of English is required.</p>
<u>ACADEMIC INFORMATION</u>	
Duration	1 coursework semester + 1 semester internship
Study programme	The course programme for the 1st semester is available here: https://ecoledesponts.fr/master-transport-et-mobilite-tm All the courses are compulsory.
Internship	<p>The internship is compulsory and must be carried out in the second semester. The minimum duration is five months full-time, but a 6 months duration is strongly recommended as a longer internship is easier to find and allows to address more interesting problems.</p> <p>Further to their internship, students must write a 60 page Master Thesis (a template will be provided) and present their work in a 60 minute oral defense before a jury.</p> <p>Please note that the French regulation obliges any employer to pay his trainees as long as the internship lasts more than 2 months. In 2024, the minimum is set at 4,35 €/hour, which is roughly 600 €/month.</p>
Graduation modality	To be graduated from the Master, students need to validate the 60 ECTS required. The programme is composed of various blocks of courses. Students need to obtain a minimum 10/20 grade over the whole blocks.
Fees	<p>Depending on the terms of the agreement with the partner university, students are subject to different tuition fees.</p> <p>Note: all the tariffs indicated hereafter are 2023-2024 tariffs, and are subject to change in 2024-2025.</p> <p><u>Tuition fees</u> :</p> <ul style="list-style-type: none"> - Waiver or domestic tariff, depending on the agreement - 2023-2024 domestic tariff: 3 450 €/year. <p><u>CMCI</u> (special fee for international students) = 1 000 €/year</p> <p><u>CVEC</u> (Contribution for student and campus life) : 100 €/year</p>