

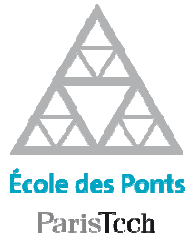


July 2023

ÉCOLE DES PONTS PARISTECH
Building the worlds of tomorrow

Agenda of the presentation

- 1. What is Ecole des Ponts ParisTech ?**
- 2. Double degree mobilities at Ecole des Ponts ParisTech**
- 3. Application procedure**
- 4. Non-degree mobility at Ecole des Ponts ParisTech**



What is Ecole des Ponts ParisTech ?

- **A world-class Higher Education and Research Institution**
 - Top 300 worldwide in 2023
 - Top 5 in France en 2022



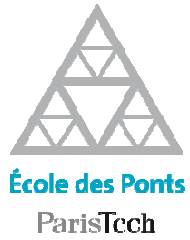
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L'USINE NOUVELLE

QS 2023	THE 2023	L'Étudiant 2022	Usine Nouvelle 2022
#174 worldwide #6 France ▲71 vs 2022	#251-300 worldwide #1 France < 5000 students	#4 France	#4 France

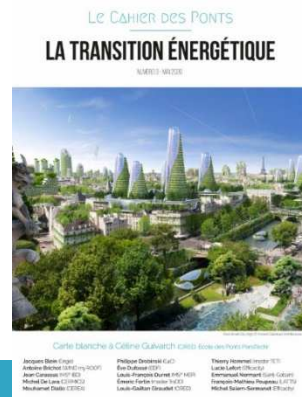


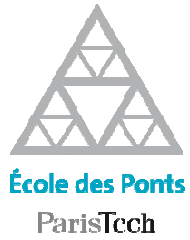
What is Ecole des Ponts ParisTech ?

- A world-class Higher Education and Research Institution
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- **A public engineering school dedicated to the ecological transition :**
 - Reporting Ministry : Ministry for the Ecological Transition
 - And the Ministry for Higher Education, Research and Innovation.

The School of the Ecological Transition

- Governing Ministry's name : from **Sustainable Development** (2007-2017) to **Ecological Transition** (after 2017)
- A history of **combining engineering and social sciences** for effective, relevant and appropriate technologies
- 12 Research centers covering 11/17 **Sustainable Development Goals** (United Nations)
- One « European Research Institute » : **Energy for Climate**
- **Develop'Ponts** : the student union committed to sustainable development, solidarity actions, **inclusion for the society and the environment**
- **10/14 industrial chairs**, addressing the ecological transition: **3** in sustainable development, **2** in environment, **5** in sustainable transport and mobility





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- **A school with a long and prestigious history**
 - Creation in 1747 by King Louis XV
 - Nobel prizes and renowned scientists



École des Ponts
ParisTech

A long and prestigious history

Among the oldest schools of engineering in Europe

- **1747:** École nationale des ponts et chaussées (ENPC) founded by King Louis XV
- **1851:** First research laboratory
- **1988:** 1st Double Degree agreement with international universities
- **1997:** Relocation in Marne-la-Vallée, Green City Campus
- **2021:** Founding member of EELISA European University



Henri Becquerel
1852-1908
-Physicist-
Nobel prize 1903



Augustin Cauchy
1789-1857
-Mathematician-
One of the founders of modern
analysis



Eugène Freyssinet
1879-1962
-Engineer, entrepreneur-
The father of prestressed
concrete



Louis Ménard
1931-1978
-Engineer-
Developer of the pressiometer



**Claude-Louis-Marie-Henri
Navier**
1785-1836
-Engineer, scientist-
Inventor of general theory of
elasticity



Jean Résal
1854-1919
-Engineer-
Builder of the pont Mirabeau
and pont Alexandre III in Paris



Jean Tirole
1953-...
-Economist-
Nobel prize 2014



Louis Joseph Vicat
1786-1861
-Engineer-
Inventor of concrete



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- **A unique combination of fundamental and applied sciences to transform business and society :**
 - Flexible and interdisciplinary engineering curriculum
 - leading to top level positions in governments or companies

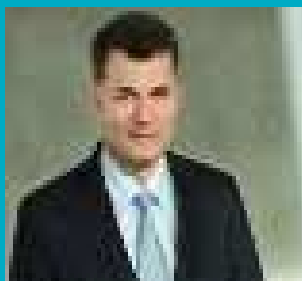


École des Ponts

Alumni in industry and government



Elisabeth Borne
Ponts 86
Prime Minister



Benoit de Ruffray
Ponts 93
CEO Eiffage



Diane D'Arras
Ponts 77
Europe Delegate for
Water, President IWA



Estelle Brachlianoff
Ponts 2018
DG Véolia



Antoine Frérot
Ponts 82
CEO Véolia
Environnement



Mostafa Terrab
Pont 79
CEO OCP Group



Christelle Heydemann
Ponts 97
CEO Orange



François Bertière
Ponts 74
Former CEO
Bouygues Immobilier

Remarkable works, designed by Ecole des Ponts ParisTech Alumni



Viaduc Millau - Michel Virlogeux



Beijing Opera - Paul Andreu



Gardens by the Bay (Singapore)
© Atelier one – passage project

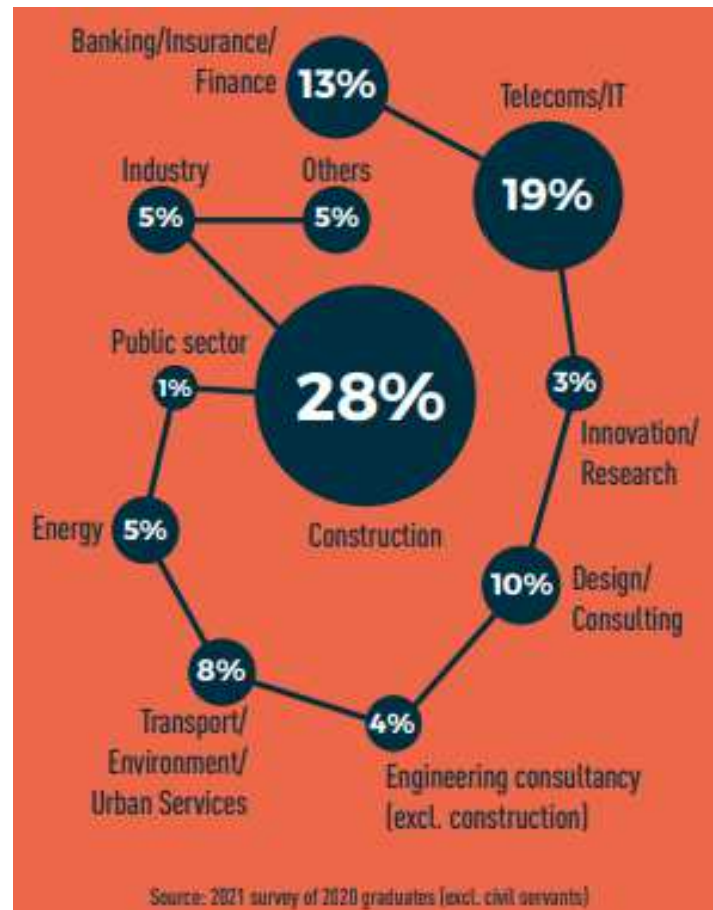


Cristo Redentor - Albert Caquot

Careers and placement

AVERAGE SALARY
IN FIRST JOB

€46,900 | €52,500 with bonuses



85% of engineering students are hired before graduation



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- **A School with an international outlook**



École des Ponts
ParisTech

International partnerships

71 partner universities

IN 35 countries

ON 4 continents

47 double-degree agreements with universities

IN 25 countries

1 European University



Europe:
39 partner universities
19 double-degrees
20 Erasmus exchange agreement



Imperial College London



Asia:
9 partner universities
8 double-degree
1 exchange agreement



東京大学
The University of Tokyo



Americas:
18 partner universities
13 double-degree
3 exchange agreements



UFMG



4 Global initiatives

- Programme de Formation d'Ingénieurs d'Excellence - PFIEV (Vietnam)
- Co-Innovation Center (Tongji, Shanghai)
- Joint Education and Research Center (UM6P, Maroc)
- Capacity Building Program funded by the WorldBank (INP-HB, Côte d'Ivoire)

Africa / Middle-East:
9 partner universities
8 double-degrees
2 exchange agreements





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 - leading to top level positions in governments or companies
- **A School with an international outlook**
- **A school with close links with industries**

Close links with industry

Teachers
Projects
Internships
Lectures
Chairs
...

AIRFRANCE KLM RATP
île de France mobilités setec
HAROPA AÉROPORTS DE PARIS
EURO TUNNEL ALSTOM Keolis
AIR LIQUIDE Ansaldo STS
SNCF VEOLIA ENVIRONNEMENT
abertis BOMBARDIER
ASFA SYSTRA

Transportation,
environment,
urban services

Capgemini accenture
OLIVER WYMAN
BCG KPMG AT Kearney
McKinsey & Company

Consulting

dalkia GROUPE EDF AREVA
suez environnement ENGIE
TOTAL EDF

Energy

SAINT-GOBAIN LafargeHolcim
INGÉROP COLAS
BOUYGUES CONSTRUCTION LEON GROSSE
EIFFAGE eqis VINCI
RAZEL-BEC ARTELIA

Construction

RENAULT Passion for life CISCO
LVMH MOÏT HENNESSY LOUIS VUITTON WÜRTH
SIEMENS MICHELIN
THALES LAPEYRE
Nestlé OCP Valeo
unibail-rodamco
NAVAL Schneider Electric

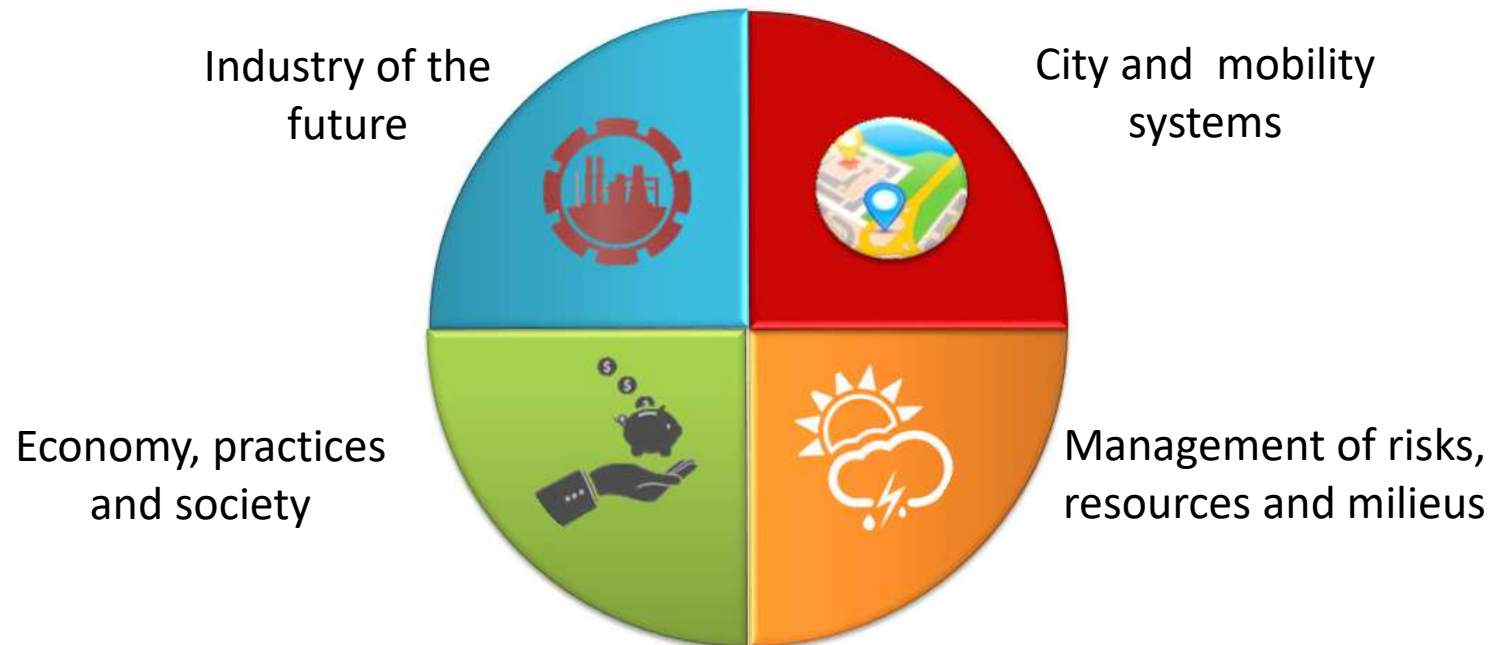
Industry

THE WORLD BANK
afd AGENCE FRANÇAISE DE DÉVELOPPEMENT HSBC meridiam
BNP PARIBAS SOCIÉTÉ GÉNÉRALE

Finance

The Research at Ecole des Ponts ParisTech – 4 issues

A challenge-based approach to address 4 socio-economic issues of sustainable development



The Research at Ecole des Ponts ParisTech – 12 labs

- Ecomaterials
- Digital Manufacturing
- Innovative Structures
- Geomechanics

NAVIER

- Sustainable mobility
- Territorial dynamics

LVMT

- Modelisation of uncertainty
- Digital simulation
- Systems optimisation

CERMICS

LEESU

- Urban waters
- Alternative resources

- Data processing
- 3D vision
- Big data

LIGM

CEREA

- Atmospheric environment
- Air quality
- Renewable energy

- Cities of the future
- Infrastructures
- Practices

LATTS

HM&Co

- Hydro-meteorological risks
- Resilient cities

- Public policies
- Environmental economy
- Markets and governance

PjSE

LMD

- Physics of atmosphere
- Climate

- Sustainable development
- Climate change

CIRED

LHSV

- Renewable energy
- Natural risks



More information on : <https://ecoledesponts.fr/en/laboratories>

The Co-Innovation Lab

Collaborative platforms improving transfer to industry



Fresnel : multi-scale observation and modelling platform for resilient cities
X-band dual polarisation weather radar, lidars, disdrometer...

Build'In : building systems and artificial intelligence, materials and structures optimisation, industrial processes
Robotic hall, large-scale additive manufacturing unit, concrete and composite materials modelling
...

M μ : urban mobility modelling, new behaviors, infrastructures and urban planning, impact of public policies
Softwares, traffic simulators...

Maker space | d.school



Makerspace

- 3D Printing,
- Laser cut
- 4 poles (ceramic, wood, steel, water, electronics)

d.School Paris

Design Thinking as
an approach to
innovation and its
management

56 CORPORATE
PARTNERS

74 PROFESSIONAL
PROJECTS

100 ALUMNI
EXPERTS



- innovate – collaborate – share -

Key facts and figures

Students :

- 950 students in the MSc in engineering / Diplôme d'ingénieur
- 190 in Master's programmes
- 300 in Advanced Master's programmes
- 650 PhD candidates and postdocs
- 410 in Business Administration programmes

i.e. a total of: **2 000** students, **31%** female

45% international students, **45** nationalities

1 250 instructors (academics, researchers, business practitioners)

12 research laboratories

480 permanent scientists

6 labs of excellence

14 education and research chairs

1000 rank A publications, including **45%** with a foreign partner

Ecole des Ponts ParisTech and Brazil

- **Academic partnerships, and Research cooperation**
 - Long standing relations with top Universities



ESCOLA
POLITÉCNICA
DA USP



- Brazilian students are #1 international students : 10 to 20 / year
- About 250 alumni living and working in Brasil



Encontro Ponts-Brasil -
2014



“Brasil na Ponts” -
2014/2015

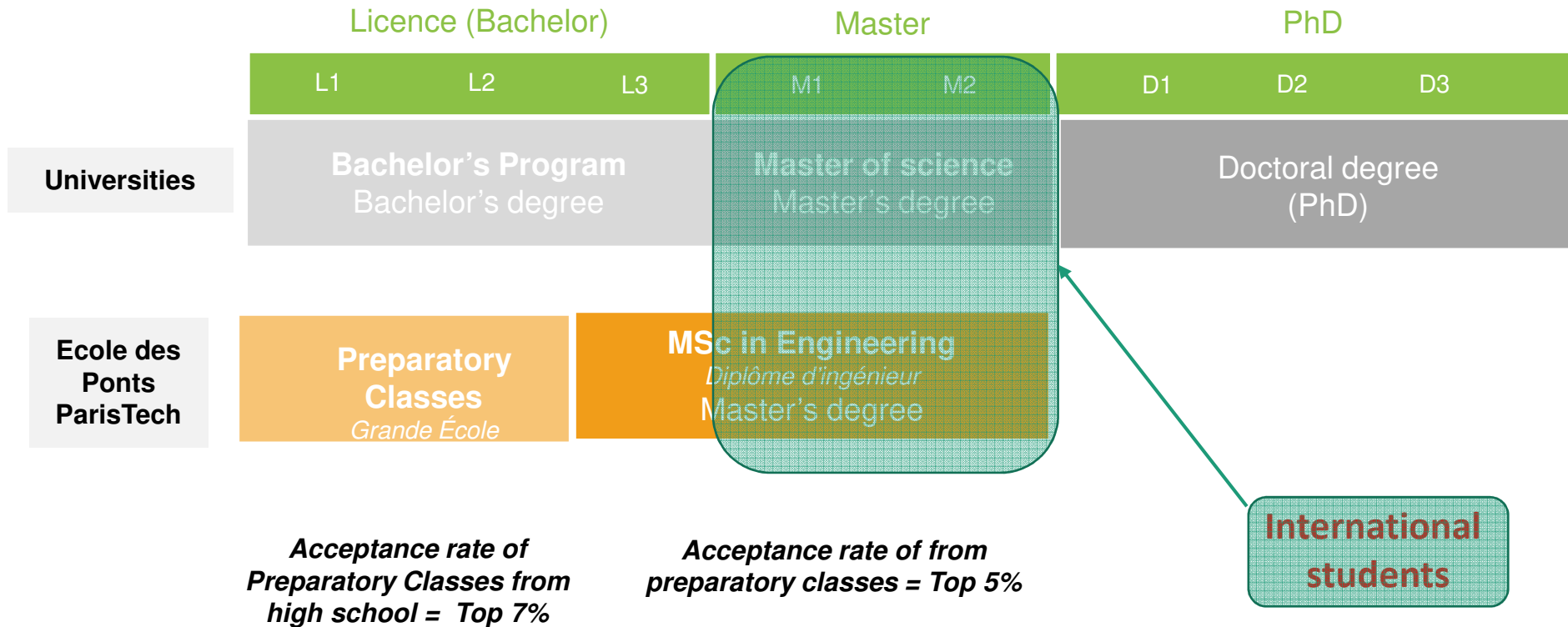


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French Higher Education system for Engineering studies



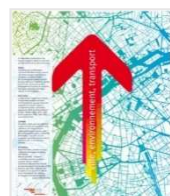
At the end of the process, you get 2 diplomas :

- Degree of your home university
- Diplôme d'Ingénieur de l'École des Ponts ParisTech

Academics: Departments of studies

- **Civil and Structural Engineering**
Complex projects, site work organisation, innovation of new materials and construction technologies
- **City, Environment, Transportation**
Planification of complex urban systems and operation of urban services (transportation, water,...)
- **Mechanical Engineering and Material Science:**
Research and design of new products and materials in the fields of energy or transportation
- **Industrial Engineering:**
Innovation and supply chain
- **Economics, Management, Finance:**
Financial engineers : financial engineering, project finance, public/private partnerships
Economist engineers : urban, environment, transportation, construction and economic regulation
- **Applied Mathematics and Computer Science:**
Modélisation of complex systems ; analysis of financial, industrial or natural risks ; challenges presented by big data and artificial intelligence

More information : <https://ecoledesponts.fr/en/academic-departments>





Your studies at École des Ponts ParisTech

Double degree mobility

□ 2 year studies leading to the MSc in Engineering (Diplôme d'Ingénieur)

- *Year 1 (Senior Bachelor level) : common core – transition year*
- **Years 2 & 3 (Master level) :**
 - ✓ Common core courses : management, statistics & data analysis, law, language, sport ...
 - ✓ Specialization in one of our 6 academic departments
 - ✓ Choice of tracks in each department
 - ✓ Mix of mandatory courses and elective courses which can be chosen in another department
 - ✓ 5 opening weeks including a 1 week study trip
 - ✓ Year 3 : possibility to choose research-oriented courses in partner programs

Intern^{al}
students

□ 27 week internship as a minimum

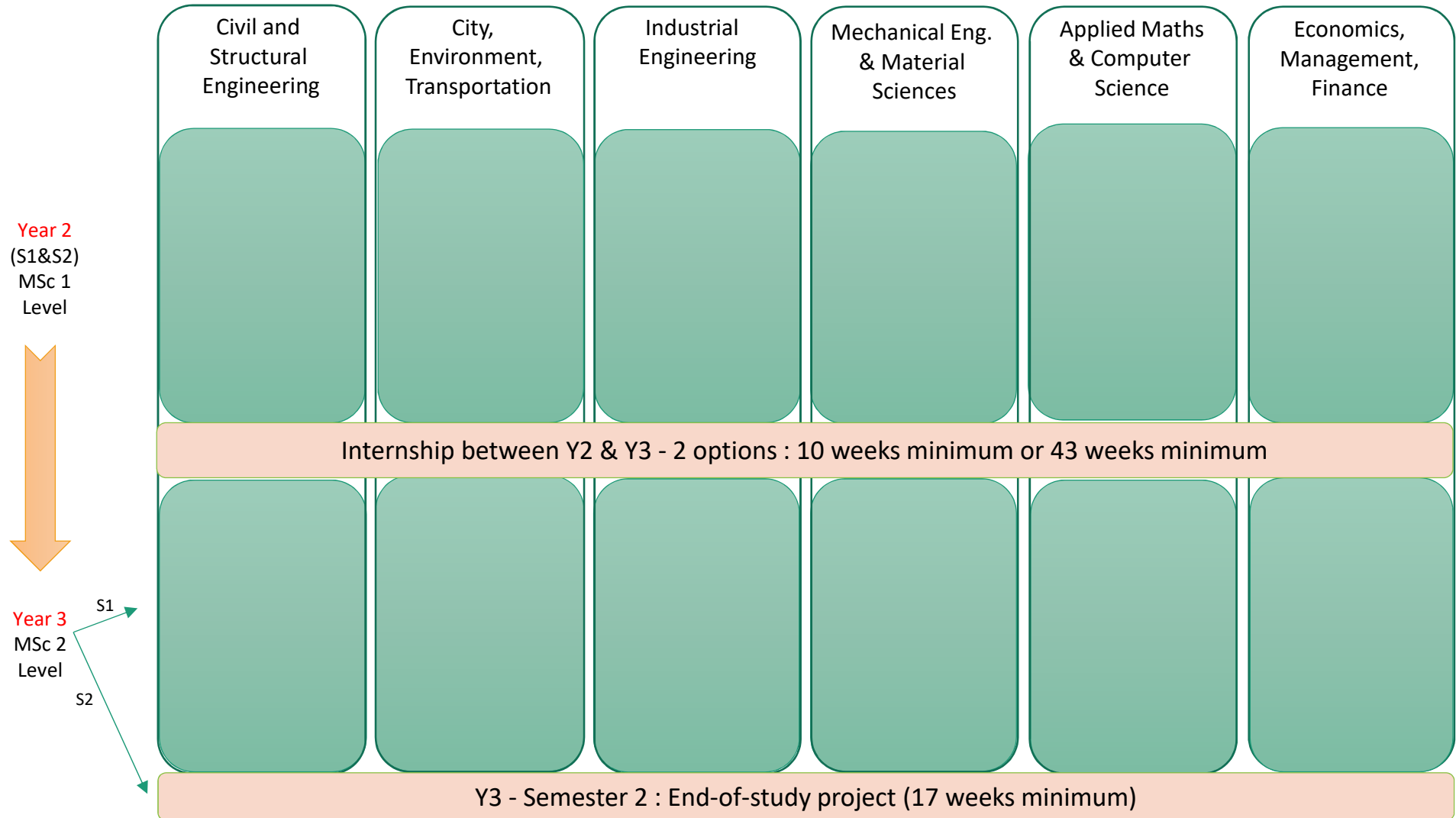
- *End of Y1 : 4 weeks minimum*
- **Between Y2 & Y3 : short internship (10 weeks mini) or long internship (43 weeks mini)**
- **Y3 – Semester 2 : End-of-study project (17 weeks minimum)**

Intern^{al}
students



Your studies at École des Ponts ParisTech

Double degree mobility

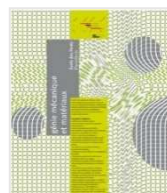
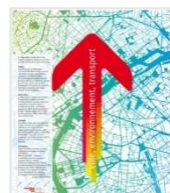


Mobilities EP USP to ENPC : 5 departments

- Civil and Structural Engineering (GCC)
- Industrial Engineering (GI)
- City Environment Transportation (VET)
- Mechanical Engineering and Materials Sciences (GMM)
- Applied Mathematics and Computer Science (IMI)
- Economics Management Finance (SEGF)

Double degree mobility :

- 6 students max per year
- 4 students max per department



Civil and Structural Engineering

Fundamentals of the programme

- Theoretical bases of **mechanics** and **dynamics**, applied to structures, soils and fluids
- In-depth teaching in **geotechnics, structures or energy issues**, mixing theoretical courses and projects
- **2 long projects** : building, bridge, port, road or dam ;
- **Several specific courses** covering all the aspects of civil engineering and construction to be chosen among a large variety of courses : advanced dynamics, physics of fire, special-risk structures, steel construction, wooden construction, management of construction projects ...
- **Department trip** : introduction to geology and construction materials
- New : tracks in common with our City Environment Transportation department
 - Transport and infrastructure
 - Urban planning and infrastructure
- Close links with **Navier**, in charge of several chairs :
 - Maintenance of Road structures (Sanef Abertis)
 - Sciences for rail transportation (Getlink)
 - Science of Materials for Sustainable Construction (Lafarge Holcim)

Job opportunities

Construction	Public works
Structures	Geotechnics
Structures for Energy	Marine Engineering



OBJECTIVES AND STRENGTHS OF THE PROGRAMME

- Training engineers and future managers capable of **designing new industrial models and supporting the industry mutations** : ecological and digital transformation, new technologies (Big data, IA, IoT, additive fabrication ...), increased competition ...
- **Close links with companies** : Chair in **Supply Chain** (Casino, Louis Vuitton, Michelin, Renault), company projects ...
- Programme focusing on the **design, improvement and optimization of complex industrial systems** with an emphasis set on :
 - Planning and modeling of production systems
 - Tools for modeling and simulation
 - Software development
 - Operative research
 - Design thinking
 - Supply Chain Mgt

2 tracks in 2A :

- Engineering of **Design and Innovation**
- Engineering of **Operations and Optimization**

Job opportunities :

- **Great variety of positions :**
 - Supply chain manager
 - Production manager
 - Expert in operative research
 - Product manager (in design)
 - Data analyst
 - Manager of a BU
- **Many economic sectors** : luxury, automotive, aviation, cosmetics, energy, telecommunication, agri-business, construction, + Consulting



OBJECTIVES AND STRENGTHS OF THE PROGRAMME

- Training engineers capable of **designing and carrying out the challenges that cities face, in relation with climate change** : optimization of current solutions, development of new infrastructures compatible with the transition and massification of the most efficient solutions
- Application of **strong skills in mathematics and modeling to the main challenges faced by cities**
- Programme focusing on **field work** on issues like : land artificialisation, housing, transport engineering hydrology
- **Strong links with laboratories** (LEESU, LVMT, LHSV, HM&CO, LATTS ...) on issues like :
 - Water management in urban areas - Renewable energy
 - Sustainable mobility - Resilient cities

3 tracks :

- **Urban planning** : territorial analysis, economics, city and regional planning ...
- **Environment** : hydrology, energy, environmental risks, air quality ...
- **Transportation** : transportation systems, traffic engineering, economics, ...

Job opportunities :

- **Great variety of positions in public and private sector :**
 - Infrastructure operators : roads & highway, waste management, water ...
 - Consultancy in environment, transportation & urban planning
 - Government or local authorities
 - Research



Mechanical Engineering and Materials Science

OBJECTIVES AND STRENGTHS OF THE PROGRAMME

- Solid command of concepts and tools of **materials mechanics**
- Pedagogical approach giving priority to **workgroup** and **learning through action**
- Close links with the industry : Chair **Sustainability of Materials and Structures for Energy** (EDF), close contacts with engineers, ...
- Close links with the **Research**

2 tracks in 2A :

- Design of Industrial systems track
- Modeling track

Job opportunities :

- **Research, development and design of new materials**
- **Product manager or Manager of industrial programme**
 - Example : Manager of a programme aimed at developing a new vehicle



OBJECTIVES AND STRENGTHS OF THE PROGRAMME

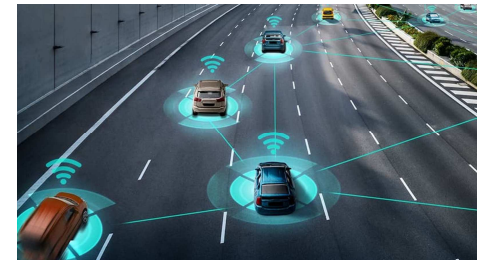
- Training engineers with a **strong command of complex mathematical tools**, in order to innovate in cutting edge sectors
- **Strong links with experts, managers and researchers** in finance, big data logistics or modeling.
- **Strong links with laboratories** (CERMICS, LIGM) on issues like :
 - Big data - Data processing - 3D vision
 - Digital simulation - Systems optimization - Modelisation of uncertainty

4 tracks :

- **Modeling** : programming and algorithmics, stochastic processes, optimization, finite elements ...
- **Optimization** : Operational research, game theory, ...
- **Vision & Learning** : software design and dev, deep learning, machine learning, image processing ...
- **Probability and finance** : stochastic calculus and finance, optimization, large dimension statistics ...

Job opportunities :

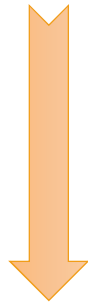
- **Great variety of sectors :**
 - Banking sector : quantitative analysis, risk analysis, trading ...
 - Research and Development in industries
 - High tech programs in industry
 - Scientific computation service providers
 - Engineering sectors dealing with optimization
 - Public research



Your studies at École des Ponts ParisTech

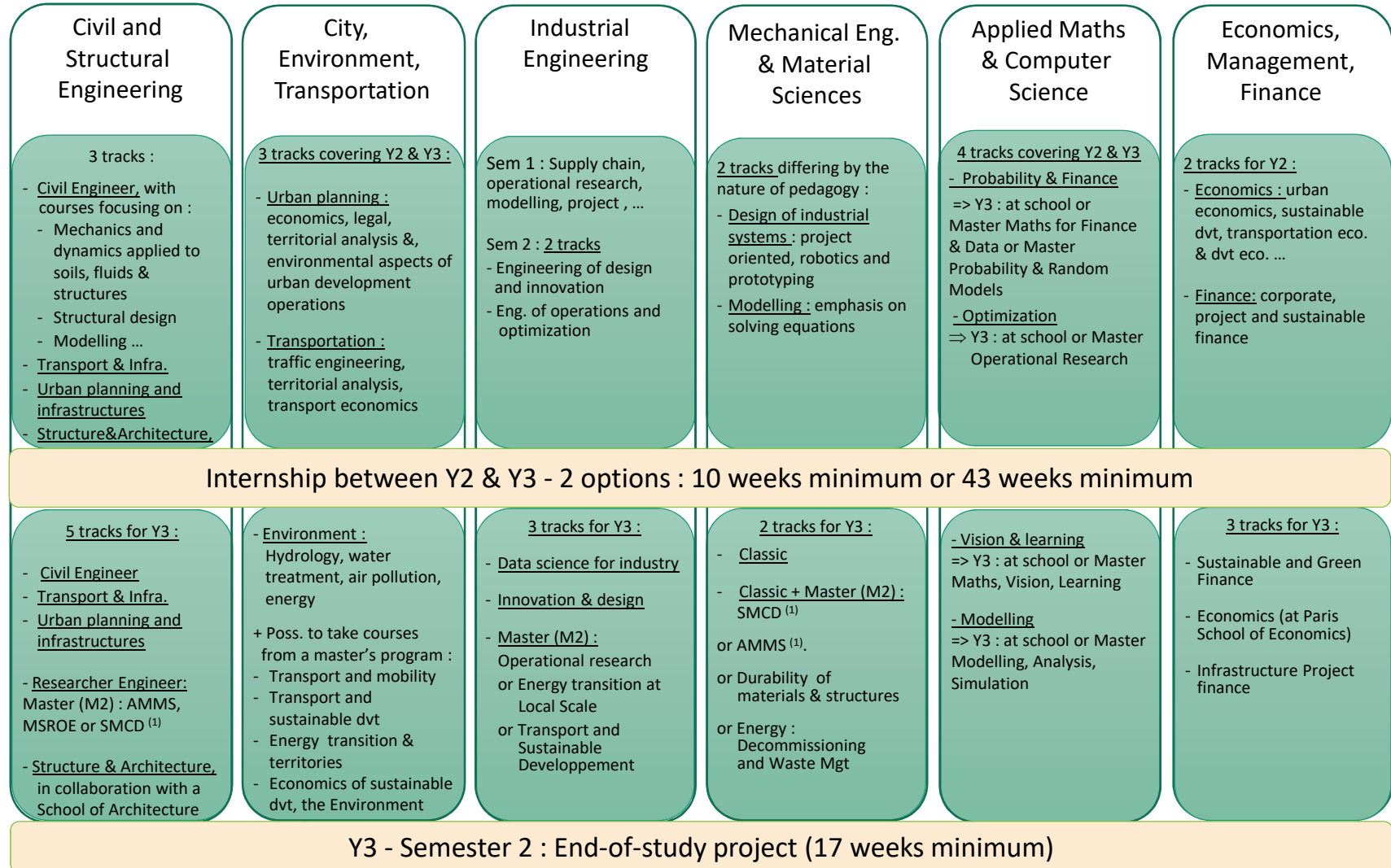
Double degree mobility

Year 2
(S1&S2)
MSc 1
Level



Year 3
MSc 2
Level

S1 →
S2 ↘



(1) AMMS : Multiscale Approaches for Materials and Structures; MSROE : Mechanics of Soils, Rocks and Structures in their Environment; SMCD : Materials Science for Sustainable Construction



École des Ponts
ParisTech

Master's programmes


Applied Mathematics

- Probabilities and random models (PMA)
- Mathematics of finance and data (MFD)
- Mathematics, Vision, Learning (MVA)
- Modelling, Analysis, Simulation (MAS)
- Operational Research (RO)

Quantitative Economics

- Analysis and Political Economy (APE)
- Public Policies and Development (PPD)

Energy option

-  • Decommissioning and Waste Management (DWM)
- Energy Transition and Territories (TET)


Mechanical Engineering

- Multiscale Analysis for Materials and Structures (AMMS)
- Durability of materials and structures (DMS)

Civil Engineering

- Mechanics of Soils, Rocks, and Structures in their Environment (MSROE)

Materials Science and Engineering

-  • Materials science for sustainable construction (SMCD)

Transportation, Mobility, Networks

- Transport & Mobility (TM)
- Transport and Sustainable Development

Environmental, Energy, and Transportation Economics

- Environmental Economics
- Energy Economics
- Forward Modelling

More information : <https://ecoledesponts.fr/en/masters-programs>



École des Ponts
ParisTech

Professional experience

- **Internship :**

- Between 2A and 3A
 - ✓ May be short (10 weeks) or long (43 weeks)
 - ✓ If short : degree in 2 years – If long : degree in 3 years
 - ✓ In a company or in a lab
 - ✓ In France or abroad – If in France, compulsory payment to trainees
 - ✓ Prior validation by your department at ENPC
- Support given to students
 - ✓ Workshops on CV and motivation letters
 - ✓ Preparation to interviews
 - ✓ Many opportunities to meet companies
 - ✓ Buddy programme with an alumni

- **End-of-study Project (PFE) :**

- Last part of your mobility at Ecole des Ponts ParisTech
- Mission in a company or in a lab
- Theme to be chosen with your department at ENPC
- Follow-up by a project director at ENPC
- Master's thesis and defence

- **Some example of companies receiving students in a PFE**

- Colas, Bouygues, Razel Bec, SETEC, BIEP, Méridiam
- Chanel, Estée Lauder
- SNCF, Ingerop, RATP, Cegelec



Experiences abroad

- The 3 course semesters are at Ecole des Ponts ParisTech
- What can you do abroad ?
 - **Internship and/or PFE** : preferably outside your home country
 - **ATHENS week** :
 - ✓ 1 course week in a top level engineering school in Europe
 - ✓ During 2A and/or 3A, depending on the department
 - ✓ Germany, Austria, Belgium, Spain, Hungary, Italy, the Netherlands, Poland, Portugal, Czech Republic, Romania, Turkey
 - ✓ More information : <http://athensnetwork.eu/index.html>
 - **EELISA activities** :
 - ✓ EELISA : a European University – 10 members (France, Germany, Spain, Italy, Hungary, Romania, Turkey, Switzerland)
 - ✓ Possibility of academic activities at an EELISA partner
 - ✓ Example : 30 students from GCC went to Spain for a whole week



Your graduation at Ecole des Ponts ParisTech

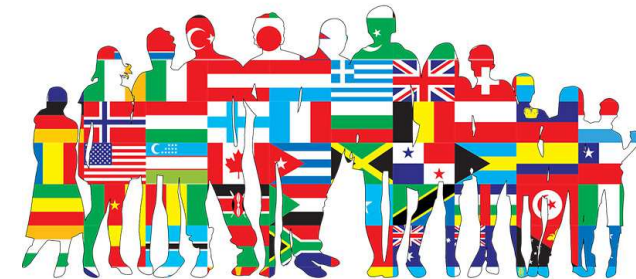
- 3 course semesters + 1 internship + 1 end-of-study project
- Studying abroad not compulsory
- **120 ECTS** necessary to get ENPC diploma, of which :
 - 74 ECTS : scientific courses
 - 12 ECTS : language
 - 1 ECTS : sport
 - 2,5 ECTS : internship
 - 0,5 ECTS : profesional orientation
 - 30 ECTS : end-of-study project(1 Brazilian credit = 1,5 ECTS)
- Within academic departments :
 - Common courses : management, statistics, law, human sciences
 - Compulsory courses of the department
 - Elective courses of the department
 - Opening weeks
 - **B2 in French and English compulsory**

« Diplôme d'ingénieur » (MSc in engineering) - Brazilian students

Bachelor cycle : At home institution

Master cycle : At Ecole des Ponts ParisTech

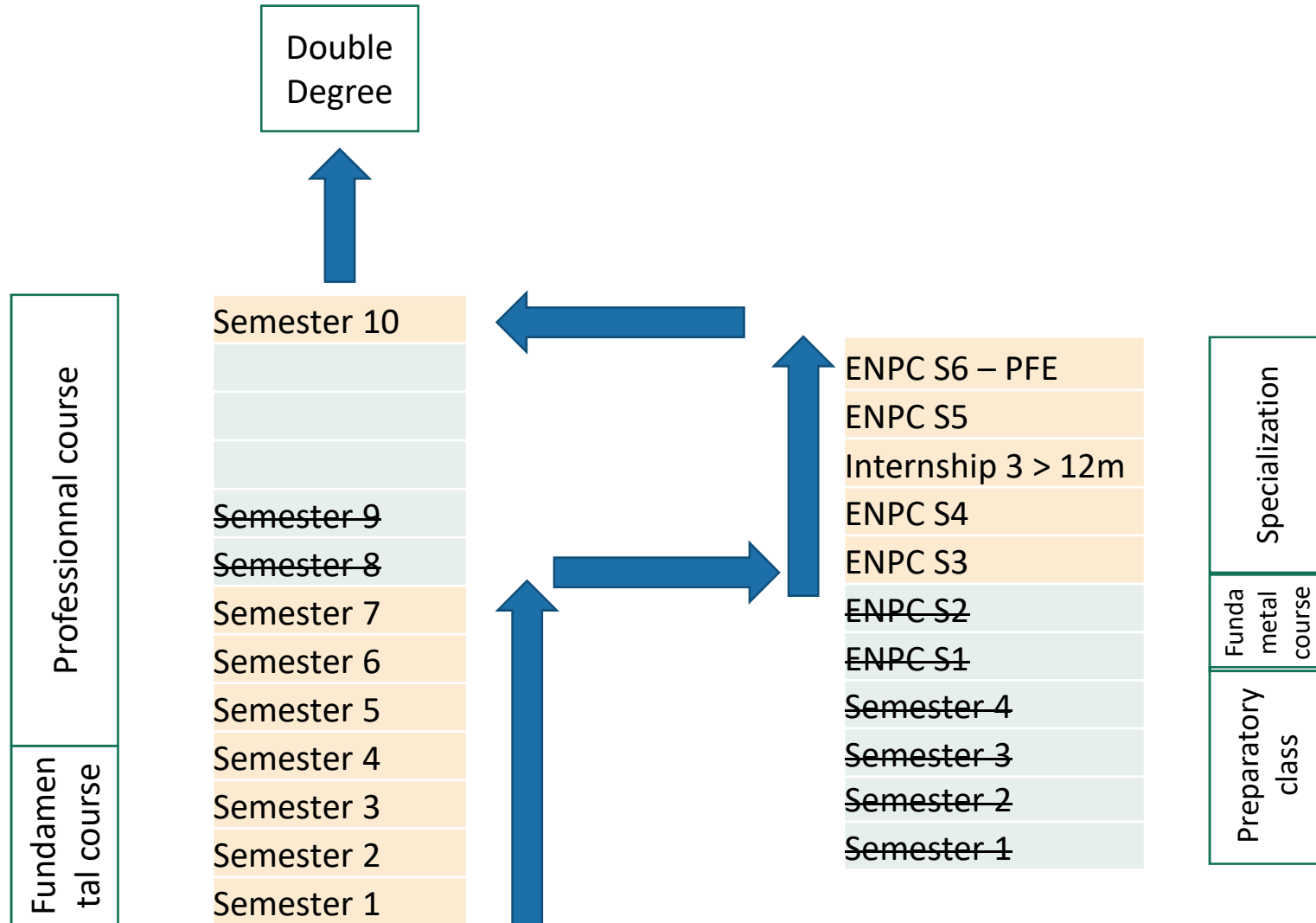
- Choice of a Department of studies
- Industrial internship : 10 weeks or 43 weeks
- Project / Master thesis : 17 weeks
- 120 ECTS credits
- B2 in French and English



Human-sized classes
30% international
25 nationalities

S1 to S7	Master courses	Internship	Master courses	Final project / Master thesis	S10
Home university in Brazil	Ecole des Ponts ParisTech	FR, WW or BR	Ecole des Ponts ParisTech	FR, WW or BR	Home university in Brazil

Double-degree curriculum for Brazilian students





The Student's Union (Bureau des Elèves – BDE)

➤ **Object**

- An association run by elected students
- Organizing events for students
- Organizing the students' life
- Spokesperson of students to the administration

➤ **Activities**

- Clubs : sports, culture, gastronomy, solidarity, arts, ...
- Events, trips, parties ...
- Links with companies : meeting with companies, Junior Entreprise

➤ **BDE and international students**

- Existence of an « international section »
- Buddy program, in relation with Inter'Ponts

More information on <https://bde.enpc.org/>

An entrepreneurial ecosystem for students

- Entrepreneurship courses
- 2 incubators (Descartes, Station F), 1 accelerator
- Annual Hackathon: « One night to launch a startup »
- Access to research equipment and mentorship
- Special awards, and seed-funds from Fondation des Ponts



Successful start-ups



Daylight system
with fiber optic



Roof mounted
small wind turbine



From 2D to 3D
about 3D
3D printing

Campus Cité Descartes Greater Paris green cluster



- 20' from Paris center (direct urban train)
- Housing (on campus or in Paris center)
- Sport facilities
- Vibrant campus life
- 15 student societies
- International students welcome desk with « Feel Français »





Alumni endowment and support



- 22 000 alumni worldwide, holding leadership positions in 100 countries
 - 14 international groups
 - Bespoke mentoring for international students over their stay in France
 - Support for careers and internships
-
- Special scholarships program for international students
 - Corporate Scholarship (Meridiam)
 - Excellence awards
 - A powerful network of donors



École des Ponts

ParisTech

Financial and practical issues

Financial issues :

- **Tuition fee waiving at ENPC**
- Specific tax for ENPC : 1000 €/year (2023-2024)
- CVEC (Governmental tax) : 100 €/year (2023-2024)
- Living cost in/near Paris : **800 to 1 000 €/month as a minimum**
For more information : <https://www.campusfrance.org/es/preparar-presupuesto-estudiante-Francia>
- Scholarships :
 - Scholarships in Brazil
 - Eiffel scholarship
 - Fondation des Ponts scholarship
 - Meridiam scholarship
 - Scholarship based on social criterias granted by Ecole des Ponts ParisTech

Practical life :

- **Accommodation** : offered in a student's residence 2' away from the school :
 - Individual or shared housing
 - 400 to 650 €/months, with a 150 € Government allowance
 - Only for your first year at Ecole des Ponts ParisTech
- **Support by an experienced partner for administrative procedures** :
 - Visa and renewal
 - Registration to the French Social Security Scheme
 - Insurances, bank account, transportation card ...



Agenda of the presentation

1. What is Ecole des Ponts ParisTech ?
2. Double degree mobilities at Ecole des Ponts ParisTech
- 3. Application procedure**
4. Non-degree mobility at Ecole des Ponts ParisTech

When and how to apply ?

Calendar issues :

- **Application** : after completion of Semester 5
- **Mobility** : after completion of Semester 7 (if successful application)

Step 1 : Preselection by your university

Prerequisites

- **Successful completion of the first 7 semesters @ EP USP**
 - Engenharia civil - Engenharia ambiental - Engenharia Mecanica e Engenharia de Producao
- **Average in scientific courses > 75/100**
- **Ranking : among the top 20% students of your class**
- Excellent level in **mathematics**
- **Proficiency in courses that are significant** in the domain you apply for
- Language :
 - **A2 in French and B1 in English** are required by early June 2024, not at the time of your application

When and how to apply ?

- **Step 2 : Nomination** by your home university **before September 24th**
- **Step 3 : Application** on Ecole des Ponts ParisTech platform
 - Open from September 1st to 30th
 - https://crm.enpc.fr/community/enpc/custom_forms/184
- **Step 4 : Online interview** in October
 - In English or in French, depending on you
 - Objective : assessing your motivation, and the consistency of the mobility project with you professional or study program
- **Step 5 : Admission (*Mid November*)**



Agenda of the presentation

1. What is Ecole des Ponts ParisTech ?
2. Double degree mobilities at Ecole des Ponts ParisTech
3. Application procedure
4. **Non-degree mobility at Ecole des Ponts ParisTech**

Looking for a non degree mobility ?

Principles of a non degree mobility :

- **1 or 2 semester mobility**
- **No** Ecole des Ponts ParisTech diploma at the end of the mobility
- **Recognition of your grades** by your home university (to be confirmed)
- **2 programs taught in English** available @ Ecole des Ponts ParisTech

When and how to apply :

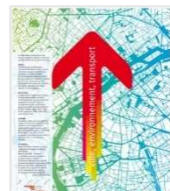
- 2 sessions : **September** (spring semester) **and March** (Fall semester or full year)
- **Step 1 : Nomination** by your home university **before September 24th or March 24th**
- **Step 2 : Application** on Ecole des Ponts ParisTech platform
 - Open from September or March 1st to 31st
 - https://crm.enpc.fr/community/enpc/custom_forms/184
- **Step 3 : Online interview** in October or April
- **Step 4 : Admission - Mid November or mid May**

Mobilities EP USP to ENPC : 5 departments

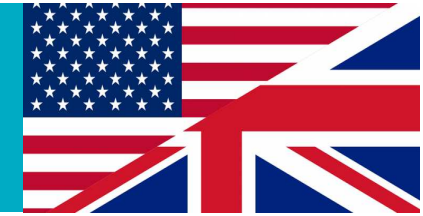
- Civil and Structural Engineering (GCC)
- Industrial Engineering (GI)
- City Environment Transportation (VET)
- Mechanical Engineering and Materials Sciences (GMM)
- Applied Mathematics and Computer Science (IMI)
- Economics Management Finance (SEGF)

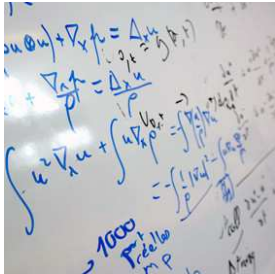

Exchange mobility :

- **3 students max per year**



Non-Degree English-taught Programmes



Level	Topic	Academic program	Specifics
Bachelor-senior students	Applied Mathematics 	Mathematical tools for engineer Analysis and scientific computing Optimization Probability Introduction to programming Statistical physics Operational research and optimization Statistics & data analytics Language (French) Sport Project within lab	Bespoke academic supervision and small class teaching Full Ecole des Ponts ParisTech student and research experience
Graduate students	Sustainable and Green Finance 	Physics of climate change Energy economics ESG analysis Green financing Conferences Credit Risk Management of Climate Risks Project Finance Life Cycle Analysis Capstone Projects	Bespoke academic supervision and small class teaching Full Ecole des Ponts ParisTech student and research experience



Useful links :

ecoledesponts.fr/en

www.campusfrance.org/es

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