

2024

2025

THE SCHOOL IN FIGURES

BUILDING TOMORROW'S WORLD



**RÉPUBLIQUE
FRANÇAISE**

*Liberté
Égalité
Fraternité*



ÉCOLE NATIONALE DES
**PONTS
ET CHAUSSEES**



IP PARIS

A word from the director



ANTHONY BRIANT
Director of École
nationale des ponts
et chaussées

École nationale des ponts et chaussées enjoys an undisputed reputation and continues to climb in the best national and international rankings.

The quality of its multidisciplinary curriculum and innovative teaching methods is underpinned by excellence in research and close ties to the world of business and industry.

Although its prestige has been traditionally founded on civil, environmental, and mechanical engineering, École nationale des ponts et chaussées today provides top-level training in a wide variety of fields, ranging from applied mathematics and economics to industrial engineering.

École nationale des ponts et chaussées trains high-potential engineers and future senior executives with a scientific and technical background who will be called upon to rise to the great societal challenges of today and tomorrow, especially in relation to the ecological transition.

The School in Figures gives an introductory overview of our school in all its rich diversity, revolving around three main missions: training, research and the dissemination of knowledge.

Facutly

364

teaching
staff in charge of modules

117

professors,
7 assistant professors
and 95 lecturers

2,850

part-time
and non-tenured teaching staff

Researchers*

516

researchers
and professors

708

PhD students
and postdoctoral fellows

1,122

rank-A publications,
including 53% with a foreign
partner

€11.5 M

in research partnerships
with companies, public
organizations and local authorities



Students

1,598

students

31 %
female
students

983

engineering
students

151

Master's students,
including 76 engineering
students

339

students
on «Mastère Spécialisé»
and specialist training
courses

218

PhD students
registered
at the School

17

registered on the post-competitive
exam program for State Urban
Planning Architects (AUEs)

* Scope: the School's laboratories

Training



ENGINEERING TRAINING

YEAR 1

- **Consolidation** of scientific and general knowledge, projects (research and departmental)
- **Work experience internship:** a 4-week practical in-company internship completes the year

THE MASTER'S PROGRAM

YEAR 2

Choice of a department for a specialization

- Civil and Structural Engineering
- City, Environment, Transportation
- Mechanical Engineering and Materials Science
- Industrial Engineering
- Economics, Management, Finance
- Applied Mathematics and Computer Science

Year 2 internship

Between Years 2 and 3, 85% of the cohort complete an optional year-long internship, with more than 26% going abroad.

The other students complete a short (3-month) internship in a company or laboratory, 10% of them abroad.

YEAR 3: TERMINAL PROJECT (PFE):

For a period of at least 4 months, students apply the skills acquired during their course to a particular scientific or technical problem, in a company or research laboratory. This Multi-disciplinary Engineering Project may be carried out individually or in groups.

MASTER'S DEGREES

MASTER'S

MASTER'S IN APPLIED MATHEMATICS

Awarded by the École nationale des ponts et chaussées

4 pathways

- Probabilities and Stochastic Models (PMA)
- Mathematics, Vision, Learning (MVA)
- Modeling, Analysis, Simulation (MAS)
- Operational Research (RO)

MASTER'S IN ENERGY

Awarded by the École nationale des ponts et chaussées

1 pathway

- Energy Transition at Local Level (TET)

MASTER'S IN NUCLEAR ENGINEERING

Co-accreditation with Université Paris Saclay, Institut Polytechnique de Paris and Université Paris Sciences & Lettres

1 pathway

- Decommissioning and Waste Management (DWM)

MASTER'S IN MECHANICAL ENGINEERING

Co-accreditation with Sorbonne Université

2 pathways

- Multiscale Approaches for Materials and Structures (AMMS)
- Durability of Materials and Structures (DMS)

MASTER'S IN CIVIL ENGINEERING

Co-accreditation with Université Gustave Eiffel

1 pathway

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

MASTER'S IN MATERIALS SCIENCE ENGINEERING

Co-accreditation with Université Gustave Eiffel and Université Paris-Est Créteil

1 pathway

- Materials Science for Sustainable Construction (SMCD)

MASTER'S IN TRANSPORT, MOBILITY, NETWORKS

Co-accreditation with Université Gustave Eiffel, UPEC, Institut Polytechnique de Paris and Université Paris Sciences & Lettres

2 pathways

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

MASTER'S IN ENVIRONMENTAL, ENERGY AND TRANSPORTATION ECONOMICS

Co-accreditation with Université Paris-Saclay, Université Paris Ouest Nanterre La Défense Paris 10 and IFP School

5 pathways

- Environmental Economics (EET)
- Economics of Energy (EEET)
- Prospective Modeling (EET)
- Sustainable Food Economics (EEET)
- Transport and Mobility Economics (EET)

MASTER'S IN APPLIED ECONOMICS

Co-accreditation with Université Paris Sciences & Lettres and EHESS

1 pathway

- Public Policy and Development (PPD)

MASTER'S IN ANALYSIS AND ECONOMIC POLICY (APE)

Co-accreditation with Université Paris 1 Panthéon-Sorbonne, École des Hautes Études en Sciences Sociales and Université Paris Sciences & Lettres

URBAN PLANNING CURRICULUM

Spatial Planning and Urban Development (AMUR)

MASTER OF SCIENCE

Sustainable Impact Analysis (SIA) with Paris School of Economics

INNOVATION AND DESIGN CENTER (D.SCHOOL PARIS)

One mission: to pass on the methods of design innovation through practice in order to inspire the stakeholders of tomorrow's world

5 main objectives

- Train engineering students in innovation approaches and methods through uses and design (design thinking, design fiction, sustainable design, co-design, user-centric design, etc.)
- Act as a resource center to provide tools for innovative initiatives and support students, researchers, and administrative staff
- Encourage interactions and foster collaboration on issues relating to uses, design, and the environmental transition
- Train and help companies to understand the world and culture of design thinking, design fiction and sustainable design through interactive, customized workshops and training
- Create training formats adapted to stakeholder needs and develop new approaches with innovation through design.

Key figures for d. school Paris

15

years' experience

64

industrial partners

80

projects undertaken

123

alumni

over 25

design and innovation training sessions offered

60

participants certified in design fiction

68

participants certified in design thinking

3

industrial partners in the ME310 Master's program

12

students in the ME310 program, including 3 from abroad (Colombia, United States, Morocco)

LIFELONG LEARNING IN DESIGN AND INNOVATION

- ME310 Innovation Through Design (Master's program, RNCP level 7)
- Fundamentals of design thinking
- Steering a project through sustainable design
- Introducing design fiction into an organization

ADVANCED MASTER'S (MASTÈRE SPÉCIALISÉ®-MS) AND EXECUTIVE MASTER'S PROGRAMS

FULL-TIME

- MS Civil Engineering and Ecodesign
- MS Engineering of Large Energy Structures, co-accreditation with CentraleSupélec
- MS Public Policies and Actions for Sustainable Development, co-accreditation with AgroParisTech
- MSc Sustainable Impact Analysis (SIA), in partnership with Paris School of Economics

PART-TIME

- MS BIM Integrated Design and Life Cycle of Buildings and Infrastructures, co-accreditation with ESTP Paris
- MS Sustainable Real Estate and Building, Carbon and Digital Transitions (IBD), RNCP-certified
- MS Infrastructure Project Finance (IPF)
- MS Management of Energy Projects (MEP), RNCP-certified
- MS Railway and Urban Transport System Engineering (STFU), co-accreditation with INSA Hauts-de-France and Université Technologique de Compiègne, RNCP-certified
- MS Smart Mobility – Digital Transformation of Mobility Systems, co-accreditation with Télécom Paris, RNCP-certified
- MS Supply Chain Design & Management (SCDM), RNCP-certified
- Executive Master "Digital Twins for Infrastructures and Cities" with the Polytechnic University of Madrid, the Polytechnic University of Bucharest and Istanbul University.

DOCTORAL TRAINING

The School has substantial research capacity with **12 top-level laboratories** hosting **218 PhD students** registered with the School in 2024/2025, including 45% overseas students and 29% women.

4 doctoral schools, in which the School's doctoral training is organized

- Institut Polytechnique de Paris Multidisciplinary Doctoral School
- Hadamard Doctoral School of Mathematics
- City, Transport and Territories Doctoral School
- Panthéon-Sorbonne Economics Doctoral School

LIFELONG LEARNING

ÉCOLE DES PONTS BUSINESS SCHOOL

École des Ponts Business School is a subsidiary of ENPC, created in 1987. It is accredited by AMBA (International Association of MBAs) and Qualiopi, and is a member of the EDBA Council (EDBAC). Located in Paris (12th arrondissement), it runs programs that are innovative and transformative, both in their teaching methods and their philosophy:

- Executive Doctorate of Business Administration (Paris)
- Multiple specialized DBAs: Intelligent Manufacturing Management, HealthTech & Health Innovation Management and Leadership & Innovation (with Shanghai Jiao Tong University, Shanghai)
- LeadTech Global Executive MBA (Paris and Barcelona with EADA Business School) – ranked #23 for Joint MBAs by QS and #2 in the world by CEO Magazine in 2025.
- Global Executive MBA (Casablanca, Morocco)
- Executive Certificate in Business Administration (Morocco)
- Global Executive DBA in Engineering and Innovation Management (in Beijing and Paris with Tsinghua University)

The business school also offers Executive Education, runs a UNESCO Futures Literacy Chair dedicated to the future of finance (the intersection of value and values), and coordinates European research initiatives, particularly in the field of the circular economy and cybersecurity.

PONTS FORMATION CONSEIL

Ponts Formation Conseil is France's leading lifelong learning center for engineering schools.

482

training sessions offered

214

bespoke training courses designed for companies and public authorities, in France and abroad

9

certificates (School diplomas)

5,943

participants (engineers and managers)

52 %

private-sector participants

3

study days

1,410

instructors (experts and professionals)

48 %

public-sector participants

INSTITUTE OF ADVANCED DEVELOPMENT AND PLANNING STUDIES IN EUROPE (IHEDATE)

IHEDATE's annual training cycle is supported by the State (National Agency for Territorial Cohesion and the Ministry for Ecological Transition, Biodiversity, Forests, Marine Affairs and Fisheries), the Territorial Banks - Caisse des Dépôts, CEREMA, local government groupings (Intercommunalités de France, Régions de France, GART), the City of Paris, Voies Navigables de France, private and public companies (ENEDIS, EDF, Groupe La Poste, SNCF Réseau, Bouygues, Nhood, RTE, SMABTP, Leonard-Vinci, Transdev) and professional bodies (ASFA, FNTF, Routes de France, UIMM).

Research

LABORATORIES

12 research laboratories, 6 of which are CNRS Mixed Research Units (UMR) (own laboratories or in partnerships with academic actors, public organizations, and companies)

4 CORNERSTONE DISCIPLINES

MATHEMATICS AND COMPUTER SCIENCE

- CERMICS: applied mathematics, scientific computing, modeling optimization
- LIGM: theoretical computing, natural language analysis, image and signal processing, algorithmics, formal calculus

MECHANICS AND PHYSICS OF MATERIALS AND STRUCTURES

- NAVIER: mechanics and physics of materials and structures, applications in geotechnics, civil engineering, geophysics and the oil industry
- LHSV: fluid mechanics applied to hydraulics and the environment (rivers, coasts and harbors)

ENVIRONMENTAL SCIENCES AND ENGINEERING

- CEREAS: air quality, pollutant dispersion and transportation, atmospheric modeling on an urban and regional scale, data assimilation
- CIREN: development and environmental economics, energy / waste / transport / water / food issues, global environmental challenges, precautionary principle, modeling
- HM&Co: multi-scale observation and analysis, system-based analysis, management of water as a risk and resource, hydrology for a resilient city
- LEESU: the urban milieu and its environment, analysis of urban and peri-urban territories in their sociotechnical and environmental functioning
- LMD: atmospheric dynamics, study of the climate and its interannual fluctuations, continental and global scales

ECONOMICS & SOCIAL SCIENCES

- LATTS: social sciences, spatial planning, history, dialog between social sciences and technology and engineering, in private-sector companies and the public sector
- LVMT: analysis and modeling of interactions between transportation and spatial planning
- PjSE: theoretical economics, public economics and labor market economics

4 SOCIOECONOMIC PRIORITIES IN THE ECOLOGICAL TRANSITION

Research activities that contribute to meeting the challenges of 4 socioeconomic priorities in sustainable development:

- City and mobility systems,
- Management of environmental risks and resources
- Industry of the future
- Economics, practices and society

PROGRAMS STRUCTURING SCIENTIFIC COMMUNITIES

- Bézout (Research Federation): deterministic and stochastic models, discrete mathematics and algorithms, high-dimensional phenomena, imaging and geometry
- FM2P (Research Federation): materials mechanics, biomechanics, digital simulation, innovative processes, mechanics and AI
- EUR Paris Graduate School of Economics (PgSE): eco-



nomics, globalization and development, markets and organizations, foundations of individual, strategic and social behavior

- EUR IPSL-CGS: climate change issues and impacts
- E4C, Energy for Climate (Interdisciplinary Center, Institut Polytechnique de Paris): research and training in energy and climate issues
- Hi ! Paris: (Interdisciplinary Center created by Institut Polytechnique de Paris and HEC Paris): research and training in digital transformation issues
- Research and Support Unit (UAR) UTOPII – Transdisciplinary Unit for the Orientation and Forecasting of Engineering Research's Environmental Impact in partnership with CNRS Engineering, Aix-Marseille Université, ENSAM, INSA Lyon and Sorbonne Université

INDUSTRIAL RESEARCH CHAIRS

CITY AND MOBILITY SYSTEMS

- Maintenance of civil engineering structures (NAVIER): with Sanef-Abertis
- Sciences for rail transportation (NAVIER): with Getlink
- What regulations for the city of the future? (LHSV - LATTS): with RATP
- Territorial mobility (CIREN): with Ile-de-France Mobilités
- Environmental research lab (LVMT - Navier): with Vinci, AgroParisTech and Mines Paris-PSL

RISK, RESOURCE AND ENVIRONMENTAL MANAGEMENT

- Fluid mechanics applied to hydraulics and the environment (LHSV): with EDF R&D
- Financial risk (CERMICS): with the Fondation du Risque and its founder Société Générale, École polytechnique and Sorbonne Université

INDUSTRY OF THE FUTURE

- Artificial intelligence for aviation (CERMICS): with Air France
- Sustainability of energy-related materials and structures (Mechanical Engineering and Materials Department): with EDF-DPN
- Supply chain of the future (CERMICS, Industrial Engineering Department): with Renault Group, Louis Vuitton, Decathlon, Michelin and Argon&Co

ECONOMICS, PRACTICES AND SOCIETY

- Prospective modeling for sustainable development (CIREN): with EDF, TotalEnergies, Schneider Electric, ADEME, GRTgaz, RTE and Mines Paris-PSL
- Development and financing of sustainable infrastructure projects (CIREN/Economics, Management and Financial Science Department): with Meridiam
- Economics of the urban environmental transition (real estate, housing, architecture, spatial planning): with Fondation Louis Bachelier and ENSA Paris-Malaquais
- Futures of quantitative finance (CERMICS): with BNP Paribas and Université Paris Cité



Library, scientific and technical information department, heritage and archives

TARGETED SERVICES FOR RESEARCHERS

- Targeted support services
- Open Science plan
- Advanced library training
- **83%** of scientific publications are open-access
- **41,600** scientific publications deposited on the HAL-ENPC open archive, including **48 %** full-text deposits
- Access to the main scientific journal platforms and scientific, technical and economics databases (Web of Science, Scopus, Business Source Complete, Mathscinet, Science Direct, Springer, Wiley, ASCE, etc.)

AN EXCEPTIONAL HERITAGE COLLECTION

- A collection of **110,000** documents and manuscripts, printed between the 18th and 20th centuries
- Digitized heritage collections: Héritage des Ponts (in partnership with the French National Library)
- **322,000** page views on the Héritage des Ponts website, **78,000** visitors
- A photo library containing **13,000 images** (bridges, canals, railway stations, portraits of engineers, etc.)
- **20,000** archive folders, corresponding to, **2,2** kilometers of historical and contemporary archives
- Museum collections recording the history of France's first engineering school

Library

200

seats

6 project spaces, individual workspaces including at La Source, the School's Learning Center

15,000

e-journals

98,000

e-books

20,000

papers by students including 4,700 digital documents

92,000

visits to La Source
10,000 documents issued per year

206,000

documents available for Bachelor's year 3, Master's and research, covering the School's teaching and research fields

2 seals of excellence

Associate branch of the French National Library for civil engineering and construction, CollEx (Excellence in Research Collections) on the theme of The City: architecture, civil engineering and urban planning



Staff and resources

573

members of staff employed by the Institution and its subsidiaries on December 31, 2024 (excluding part-time and non-tenured staff and public employees in training)

€55.5 M

in resources including a **€29.4 M** dpublic service subsidy from the Ministry for Ecological Transition, Biodiversity, Forests, Marine Affairs and Fisheries and **€311 K** from the Ministry for Higher Education and Research

Degrees awarded in 2024

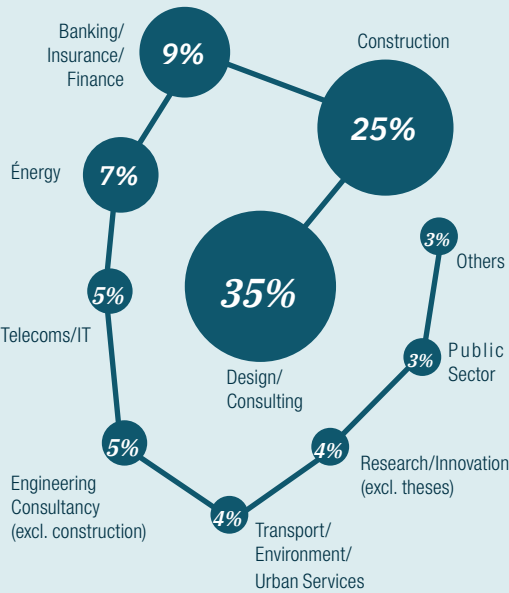
266
engineering degrees

160
Master's degrees

47
PhDs

292
specialist programs:
Mastère Spécialisé®
and Master of Science

Career opportunities (%)



Average starting salary

€49 K

€56 K
with bonuses and gratuities

Source: 2024 survey of 2023 graduates (excl. civil servants)

THE SCHOOL IN NATIONAL AND INTERNATIONAL RANKINGS

2025 LE FIGARO ETUDIANT

The School was placed 3rd in this ranking, moving up one position compared to last year. It highlighted in particular the quality of teaching, international openness and excellent employability of engineers from ENPC.

2025 L'USINE NOUVELLE

The School was listed in 4th position in this ranking, out of 127 French institutions. The ranking values professional integration for graduates, international experience within the curriculum, research and connections with companies.

2024 CHANGENOW / LES ECHOS START

For the 3rd time, the School took part in the ranking of schools with the longest-standing commitment to the ecological and social transition. It was ranked in 3rd place, moving up 13 places compared to last year. The School stood out for its inclusion of environmental and social issues in its curricula / its network of alumni committed to the impact sector / its future-focused governance and CSR strategy / its employability and academic excellence.

2026 QS WORLD UNIVERSITY RANKINGS

Institut Polytechnique de Paris, to which the School belongs, was placed 41st in this ranking, out of 1,500 international institutions (moving up 5 places compared to 2025).

GLOBAL EMPLOYABILITY UNIVERSITY RANKING AND SURVEY (GEURS 2025)

This year, the School was ranked 135th, up 9 places from the previous edition. It was listed in 13th place in France. This ranking, carried out by specialist HR consulting firm Emerging, is the only ranking based solely on international employers' point of view.

2024 UNIVERSUM

The School was ranked well by its students and received certificates of recognition in the following categories: reputation, range of courses and employability. The probability of students recommending the School was 8.4/10, compared to 7.8/10 for the reference group, comprised of all engineering students at the other French schools surveyed.

International Relations

72
partner institutions in 34
countries on 4 continents

41
dual-degree agreements with
universities in 25 countries

74
students studying
engineering abroad

480
foreign students

AMERICAS

- 16 partner institutions
- 14 dual-degree agreements
- 12 exchange agreements

EUROPE

- 37 partner institutions
- 17 dual-degree agreements
- 31 intra-European Erasmus agreements
- 1 agreement in the United Kingdom (Imperial College London)
- 2 agreements in Switzerland (EPFL and ETH Zurich)

AFRICA AND MIDDLE EAST

- 9 partner institutions
- 4 dual-degree agreements
- 3 exchange agreements

ASIA

- 11 partner institutions
- 10 dual-degree agreements
- 8 exchange agreements

THE FONDATION DES PONTS, A VECTOR OF GENEROSITY IN THE SERVICE OF THE SCHOOL

Recognized as being of public utility since 1997, the Fondation des Ponts supports the development of the School and promotes excellence, equal opportunity and the diversity of its students through corporate sponsorship and donations collected from graduates and friends of the School.

RESOURCES IN 2024: €2.74 M

- Individual donations or bequests **€366 K** from **364** donors
- Chairs or partnerships: **€2.215 M** from **20** partners
- Income from financial asset management: **€161 K**

In 2024, the Foundation supported:

- **10 teaching and research chairs**,
- **15 prize winners** to encourage excellence, promote research and foster the spirit of enterprise,
- **63 students** benefiting from **incoming or outgoing mobility aid**,
- A host of projects to benefit the School and its students, including:
 - **Sciences 2024** aiming to improve the performance of French swimmers through research,
 - the film **“Construire”**, highlighting the School's decisive role in the history of civil engineering and land-use planning, and that of future generations of engineers in a context of environmental transition,
 - the **Marie-France Clugnet project**, a magnificent exhibition to promote engineering as a career to young women,

- a **loan program** for entrepreneurs,
- a **humanitarian project** in Senegal,
- the **student refugee program...**

For more information on all the Foundation's initiatives, visit:
www.fondationdesponts.fr

PONTS ALUMNI

The School's alumni association, founded in 1860, is a State-approved public interest entity. Its members are the School's **21,000 graduates**: civil engineers, high-ranking state engineers, holders of Master's degrees, PhDs and MBAs/DBAs.A.

The Ponts Alumni network is present in **110 countries** and all the School's sectors of activity. There are 31 geographical groups, of which 18 are abroad, 15 professional groups, including 4 joint groups with other Grandes Écoles, 3 degree groups (DBA/MBA, Master's, UrbaPonts), 1 international sponsorship group, 1 mentoring program, 1 sponsorship group for refugee students, 13 social clubs and a number of “Millesimes” groups for friendly gatherings.

LES PRESSES DES PONTS

Les Presses des Ponts is the School's own publishing house founded 1977, which has a catalog of **170 scientific and technical publications and software products** mainly covering civil engineering, construction and spatial planning. The 2024 catalog was enriched with **10** new publications.



ÉCOLE NATIONALE DES PONTS ET CHAUSSEES

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Visit the School's halls in 3D! Take a stroll through the school to find out what makes its reputation. Discover interviews with members of the Ponts community and videos presenting the range of courses on offer and life on campus..

