



Leader, entrepreneur, innovator

ÉCOLE CENTRALE PARIS

Key Figures 2014



STUDENT BODY

Centrale Paris' Engineering Program

1789 student-engineers with 255 in sandwich year (Class of 2014: 492; Class of 2015: 539; Class of 2016: 503), including: 515 international students and 353 female students

40% of Centrale's graduates have received dual-degrees

Advanced Master

18 programs:

347 students of which 102 from abroad

Master

5 fields of concentration, M1 and M2:

146 students, including 45 student-engineers and 89 international students

Doctoral Studies

223 doctoral candidates, including 135 from abroad
50 graduating per year

Teaching and Administrative Staff

232 full-time faculty, 126 faculty-researchers and full-time researchers (18% CNRS), 900 adjunct faculty
304 administrative staff members

CAMPUS

18 hectare campus
58,645 m² Overall Surface Area

ACADEMIC INSTRUCTION

11 Departments

- Advanced Information Systems
- Energetics
- Engineering Leadership
- Human and Social Sciences
- Languages and Cultures
- Management Science
- Mathematics
- Mechanics - Civil Engineering
- Physics
- Processes
- Sports

Third year Options & Career Tracks

7 Options

- Applied Mathematics
- Applied Physics
- Computing and Advanced Systems Engineering
- Energy
- Industrial Engineering
- Mechanical and Aerospace Engineering
- Sustainable Civil Engineering and Urbanism

NETWORKS

International Partners

143 partner universities worldwide (in 38 countries) - 66 double degrees agreements

Corporate Partners

102 partner companies including 21 SMEs in the "CLUB PME"

12 Premium Partners:

AIRBUS GROUP, AREVA, BNP PARIBAS, EDF, EIFFAGE, FIVES, GDF SUEZ, GROUPE SAFRAN, MICHELIN, PSA PEUGEOT CITROËN, SOCIETE GENERALE & VALLOUREC.

12 Corporate Chairs:

- Hybrid technologies and Economy of Electromobility, Armand Peugeot Chair (PSA Peugeot Citroën)
- BNP Paribas Chair of Operational Efficiency and Management Systems
- Chair in oxy-combustion (Air Liquide)
- Sustainable construction and innovation Chair (Bouygues Construction)
- BNP Paribas Chair of Quantitative Finance
- Center of Excellence for Clean Biotechnologies with the Champagne-Ardenne Region, the Marne department and Reims *Métropole*
- Chair in Complex Systems and the Energetic Challenge (EDF)
- Robustesse, Contrôle et modélisation systèmes embarqués aéronautiques (Safran & Supélec)
- Risques Achats dans les Projets Com-

6 Career Tracks

- Centrale Entrepreneurs
- Innovative Systems Development & Industrialization
- International Projects Management
- Operations Management
- Research
- Strategy and Enterprise Finance

RESEARCH

€ 10.5 M budget
66 contracts/year
€ 1M of investment/year
16,000 m² of operating space

264 publications in international refereed journals (CNRS Rank A)
126 faculty-researchers and full-time researchers (18% CNRS)
85 engineers, technical & administrative staff (17% CNRS)

5 fields

- Applied Physics
- Applied Mathematics
- Industrial Engineering, Economics and Management
- Materials Science and Process Engineering
- Mechanical Engineering, Energetics and Combustion

- plexes (Total)
- Manufacturing & Logistic Management (Faurecia)
- System Modelling & Design Chair (AIRBUS GROUP)
- Chair of Supply Chain Management (Carrefour and Louis Vuitton Malletier)

Centrale Paris is a member of the following networks:

France :

- CentraleSupélec: École Centrale Paris / Supélec Alliance
- College of Engineering and Systems Sciences with Supélec, the ENS Cachan and Paris Sud
- Paris-Saclay University
- École Centrale Paris / ESSEC Alliance
- Écoles Centrales Group (Paris / Lyon / Lille / Nantes / Marseille) and Centrale Beijing.

International:

- T.I.M.E. (Top Industrial Managers for Europe), CESAER, Erasmus Mundus
- Mahindra École Centrale (Hyderabad, opening 2014) & École Centrale Casablanca (opening 2015)

ÉCOLE CENTRALE PARIS

Grande Voie des Vignes,
92295 Châtenay-Malabry Cedex
Tél.: 33 (0)1 41 13 10 00
Fax: 33 (0)1 41 13 10 10
www.ecp.fr - communication@ecp.fr

6 Research Departments, 62 Research Team, 1 Federation

- Energetics and Combustion *EM2C (UPR CNRS 288)*
- Physical Properties of Materials and Modelling *SPMS (UMR CNRS 8580)*
- Mechanics, Structures and Materials *MSSMat (UMR CNRS 8579)*
- Chemical Engineering *LGPM (EA 4038)*
- Applied Mathematics and Systems *MAS (EA 4037)*
- Industrial Engineering *LGI (EA 2606)*
- Quantum and Molecular Photonics Laboratory *LPQM (UMR 8537 CNRS)*
- Center for Visual Computing
- Federation of Mathematics *(FR CNRS 3487)*

Networks :

- 9 competitiveness centres (including 3 global centres): System@tic, MediTech Santé, Cap Digital, Move'o, Advancity, Pôle AS Tech, Finance Innovation, IAR (Industries et Agro-Ressources), DREAM Eau & Milieux;
- Advanced Research Cluster: Digitéo, 'Triangle de la Physique', Move'o Tech;
- TER@TEC Association, SF2M, SMAI, réseau Ingénium, réseau Eco-SD (Eco-conception) ;
- Technological Research Institute (IRT): SystemX;
- IDEX: Université Paris-Saclay;
- EQUIPEX: Matméca, Digiscope;
- LABEX: LaSIPS, PALM, NANO-SACLAY, DIGICOSME, CHARMMAT, Louis Bachelier.