ParisTech

Subjects taught & Research conducted at ParisTech schools

Agricultural engineering - applied mathematics – automatics **B**ioengineering & biophysics **C**hemistry - chemical engineering – civil engineering - computational biology - computer science **D**ata science - **E**arth sciences - economics & social sciences - environmental engineering - electrical, electronic & photonic engineering - energy & nuclear engineering - executive engineering **F**inance – food engineering - forest engineering **I**ndustrial & production engineering - information technology & telecommunications **L**ife sciences **M**anagement - materials science & engineering - mechanical engineering **O**ptical sciences – offshore engineering - **P**hysics – **R**enewable energy - robotics - **S**tatistics **T**ransport

With special emphasis on the following subjects at the following Graduate Schools

AgroParisTech

Life Science, Biology, Agronomy, Crop Science, Plant Protection, Forestry, Wood, Animal Science, Environmental Science & Engineering, Management of Natural Ressources/Environment, Sustainable Development, Water, Ecosystems, Territory Planning, Rural Economics, Economics, Public Policies, Food Science & Technology, Food Engineering, Chemistry, Biotechnology, Human Health, Nutrition, Public Health Risk Prevention, Mathematics & Modelling for Life Sciences, Biomaterials Engineering

Chimie ParisTech

Analytical Chemistry, Ancient & Heritage materials, Chemical and Process Engineering, Chemistry for Health, Electrochemical Storage, Environmental science, Hydrogen Technology, Materials Science, Medicinal Chemistry, Micro Flow & Diagnosis, Nanomaterials for Solar Cells, Nuclear Chemistry, Optics & Optoelectronics, Organic and Bioorganic Chemistry, Physical Chemistry of Surfaces, Plasma Processes, Polymers & Catalysis, Project Management, Risk Management, Solid State Chemistry, Structural Metallurgy, Theoretical Chemistry

Ecole des Ponts ParisTech

Civil and Structural Engineering, Environmental Engineering, Transportation Engineering, Eco-design, City planning, Mechanical Engineering, Materials Science, Industrial Engineering, Robotics, Energy efficiency, Innovation management, Supply Chain, Design Thinking, Economics, Management, Finance, Data sciences, Applied Mathematics, Computer Science, Statistics and data analysis. Computer vision, Machine Learning

ESPCI Paris

Environmental chemistry, Organic synthesis Bioengineering and Biophysics, Inorganic chemistry, Molecular chemistry, Polymer chemistry, Optics, Acoustics and Imaging, Microfluidics and Soft Nanotechnology, Soft Matter and Complex Materials Engineering, Chemical Engineering, Fluid Mechanics, Physics of transport, Mesostructures and Quantum Structures, Solid State Physics, Artificial Intelligence, Machine Learning

Institut d'Optique

Physics of light and its interaction with matter, Ray optics and aberrations, Advanced wave optics, Instrumentation Optical system design, Imaging, Photometry, Detection, Lasers and electro-optics, Non-linear optics, Optical fibers, Detectors, Biophotonics, Nanophotonics, Space optics, Solar energy, Electronics and computer science for signal and image processing, Telecommunications, with minors in technology and management of innovation

MINES ParisTech

Major: Science and executive engineering, Minors: Public affairs and innovation, Biotechnology (BIOTECH), Industrial economics (ECOINDUS), nuclear engineering (GA), Geosciences (GESOCIENCES), Geostatistics and applied probabilities, Scientific management / Organization and performance of the company (GS / OPE), Design engineering (IC), Numerical engineering and complex systems (IDSC), Innovation and entrepreneurship (I&E), Machinery & Energy (M&E), Information systems management (MSI), Applied Mathematics: Robotics, Vision and Automatics (MAREVA), Processes and Energy (P&E), Materials Science and Engineering (SGM), Soils and basement (S&SS), Production and logistics systems (SPL)