CHIMIE PARISTECH

FOSTERING TALENTS FOR TOMORROW'S CHEMISTRY

Chimie Paris

ParisTech

PSL

CHIMIE PARISTECH

LEADING FRENCH INSTITUTION WHICH COMBINES TOP-LEVEL RESEARCH, ACADEMICS AND INNOVATION

Chimie ParisTech was founded by Charles Friedel in 1896. It has become emblematic of research and education in chemistry in France, delivering MSc Engineering as well as providing doctoral programmes. Chimie ParisTech is a member of PSL Université, world class University and best French institution according to the Times Higher Education.

PART OF EDUCATION

The best French institution according to the Times Higher Education. During a unique 3 years programme, Chimie ParisTech educates students in basic and applied chemistry, providing them with a solid scientific knowledge, management training and a good understanding of the business world.

RESEARCH

Chimie ParisTech research activity covers a wide range of areas of chemistry: materials, processes, life science, molecular chemistry, and covers fields like health, energy, environment, mobility.

Our research addresses scientific questions from basic research to applied research and innovations whose economic exploitation is close.

OUR UNIVERSITY PSL PARIS SCIENCES ET LETTRES

PSL encompasses every field of knowledge, from the sciences and engineering to the arts, humanities and social sciences. With 4,500 researchers and 17,000 students, PSL's strengths are comparable to those of the world's top universities. PSL provides the ideal environment for interdisciplinarity, and prioritizes high student-faculty ratios.

TRAINING AT THE HIGHEST LEVEL

CHIMIE PARISTECH TRAINS NEARLY 350 ENGINEERS AND OFFERS COURSES IN VARIOUS INTERNATIONAL SCIENTIFIC MASTERS

Our degree in engineering is unique and covers all fields of chemistry.

Our graduates are greatly sought after by employers thanks to their excellent scientific background and high level skills in management and business.

Our training is provided by experts in their field who are either researchers or managers from businesses.

Our selection process is one of the most competitive in France.

90 PHD'S

50% OF OUR STUDENTS ARE WOMEN

20% INTERNATIONAL STUDENTS

20% IN ECONOMICS AND SOCIAL SCIENCES

40% OF TRAINING IS EXPERIMENTAL

CHIMIE PARISTECH OFFERS SEVERAL PROFESSIONAL AND INTERNATIONAL PROGRAMMES THAT TRAIN EACH YEAR

ENGINEERS, MASTER GRADUATES AND PHD STUDENTS

DEGREE IN ENGINEERING

- Chemical Engineering
- Chemical Risk
- Molecular chemistry and biochemistry
- Processes
- Interfaces
- Quantum chemistry
- Analytical chemistry
- Computing and programming
- Applied Mathematics for Engineering
- Organic chemistry
- Chemical bond
- Interaction radiation matter
- Chemistry of Materials
- Spectroscopy
- Numerical Methods
- Metallic materials
- Polymer chemistry
- Radioactivity
- Statistical Thermodynamics and Molecular Modelling
- Electronic structure of solids
- Biotechnology
- Human sciences and management: communication, entrepreneurship, marketing, finances, management control
- Industrial strategy (patent, innovation, economics)

MASTERS OF SCIENCE

- Master « Chimie Paris Centre » (SU, ENS, ESPCI)
  - Analytical, Physical & Therotical Chemistry
  - Molecular Chemistry
  - Inorganic Materials and Polymers
  - Chemical Engineering
- Master of Nuclear Energy (Paris-Saclay University)
- Master « Material Science » PSL
- Master « Energy » PSL
- Master « Chemical Frontiers of Living Matter » PSL
- Master « Molecular Pharmacology » (Paris Descartes University)
- Master « Material Science and Nanoobjects » (SU)

DOCTORATES

- Chemical engineering and advanced technology
- Physical chemistry and analytical chemistry
- Molecular chemistry
- Material physics and chemistry

DEVELOPING KNOWLEDGE TO TACKLE TOMORROW'S CHALLENGES

Chimie ParisTech develops world class research activities in both basic and applied chemistry to provide solutions to our society and businesses.

3 ERC

1 NOBEL PRIZE

13 RESEARCH TEAMS

3 LABORATORIES

120 RESEARCHERS

RESEARCH AT CHIMIE PARISTECH

In association with companies or large public research organisations (CNRS / INSERM, universities), the research activity of Chimie ParisTech covers the whole spectrum of chemistry.
It addresses scientific questions ranging from basic research to applied research and innovation.

MATERIALS, PROCESSES, ENERGY

- Metallurgy
- Corrosion
- Materials Aging
- Surfaces
- Thin films
- Materials and Processes for Nuclear Energy
- Glasses
- Electrochemical Storage of Energy
- Solar Cells
- Fuel Cells
- Materials for Optics
- Nanoparticles
- Nanostructured Materials
- Process Engineering
- Theoretical Chemistry and Modelling

HEALTH

- Medicinal Chemistry
- Pharmacology
- Medical Imaging
- Biomaterials
- Diagnosis
- Microfluidics

ENVIRONMENT

- Catalysis and sustainable processes
- Wastewater, treatment and soil remediation
- Photovoltaïc cells

INTERNATIONAL

International exchanges are a significant part of Chimie ParisTech strategy. Our institution is at the heart of a large network of partner universities around the world.

SOME EXAMPLES OF PARTNERSHIPS

EUROPE

ETH Zürich / Politecnico Milano / KTH Stockholm / Ludwig Maximilians Universtät München /University of Strathclyde / Novosibirsk State University / Tomsk State University / Sapienza (Rome) / SNS (Pisa) / University of Bologna / Universidad Autónoma de Madrid

NORTH AMERICA

Canada : Polytechnic School of University of Montreal / University of Sherbrooke

15 DOUBLE DEGREES

80 PARTNER INSTITUTIONS COVERING 23 DIFFERENT COUNTRIES

40 ERASMUS AGREEMENTS

SOUTH AMERICA

Brazil : USP-EP / UFRJ / UNICAMP

Argentina : Buenos Aires University / Universidad Nacional del Litoral

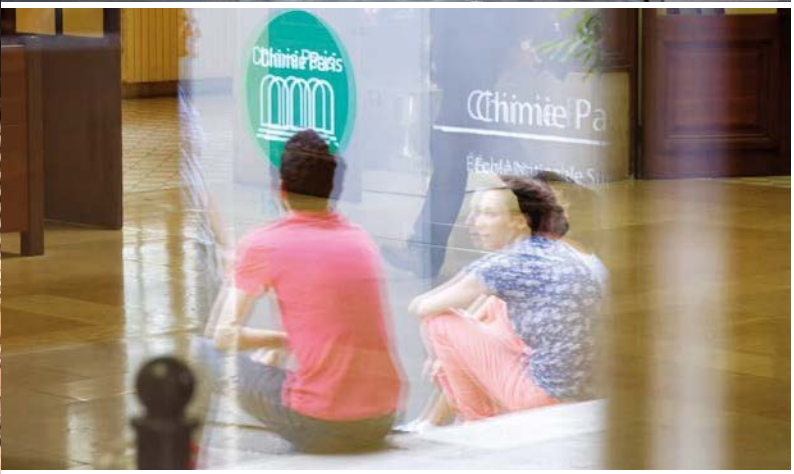
Colombia : Universidad Nacional Bogota

ASIA

China : Tsinghua University / Beijing University / Tongji University / Jiaotong University / Fudan University / Nanjing University / SJTU (Shanghai) / Beijing University of Chemistry Technology

AFRICA

Tunisia : Institut National des Sciences Avancées de Tunis



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