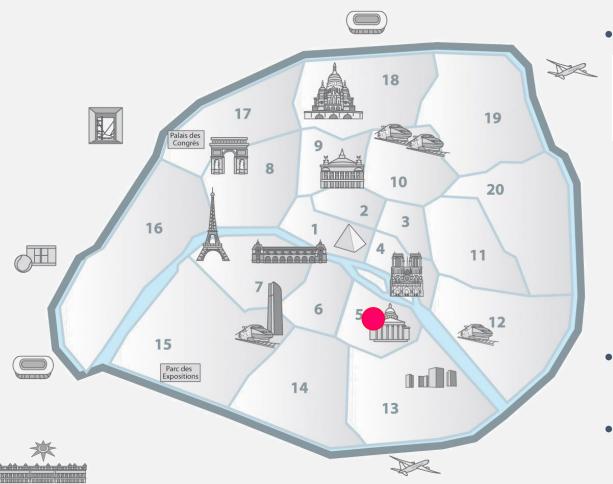
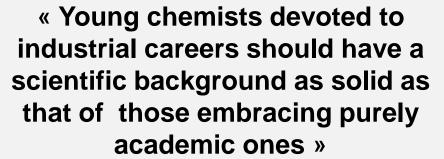


Chemistry at the heart of Paris

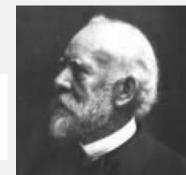


1896: Founded by Charles Friedel



- 1899-1907: Directed by Henri Moissan (Nobel Prize winner 1906)
- 1916: First woman embracing engineer career in France
- 1904: Eugène Schueller, founder of











Our PSL University: a young university with renown members

MEMBERS AND RESEARCH CENTERS









































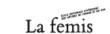














ParisTech

AN EXCEPTIONAL UNION OF TEN GRADUATE SCHOOLS ENABLING A UNIQUE TRANSDISCIPLINARITY













- 6 ParisTech Schools are in the top 10 out of 250 Engineering Schools in France
- Each School is ranked #1 at the national level in its specific domain

Shared-values

- Excellence based on the model of French "Grandes Écoles"
- Openness as a driver for growth: international openness, social diversity, openness to new pedagogical methods
- The quest for innovation, key to future successes for our Schools















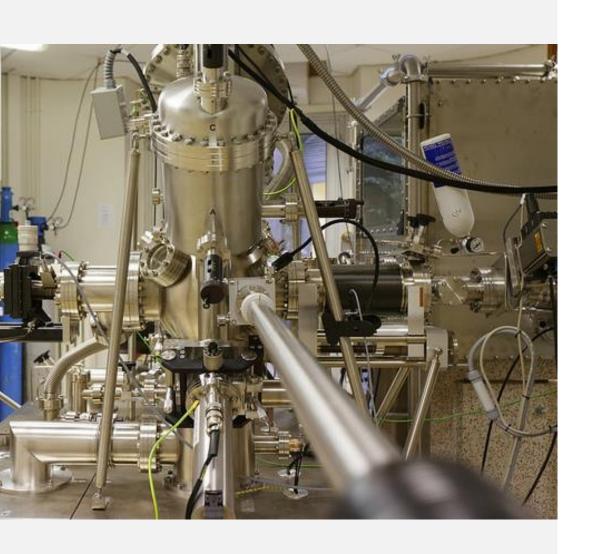








OUR VISION.....



Provide basics **fundamentals** courses in all fields of chemistry illustrated by a cutting-edge research



Key figures

Training

Highly selected students (50% of women)



1 Prof for 3 students





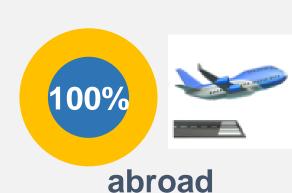
Researchers and Professors & Associate Professors





20%

international students



Business, management and human skills

12 months

Mandatory internship



Research



13







Research & Development

Chairs with AREVA & Eco-Systèmes







50% of PhD funded by companies

2 Labcom (joint lab with SMEs)





Innovation & Start-Ups

Energo

Plasma catalysis technology for methanation of CO₂

European patent [EP15202925.2] 2015

plasma-





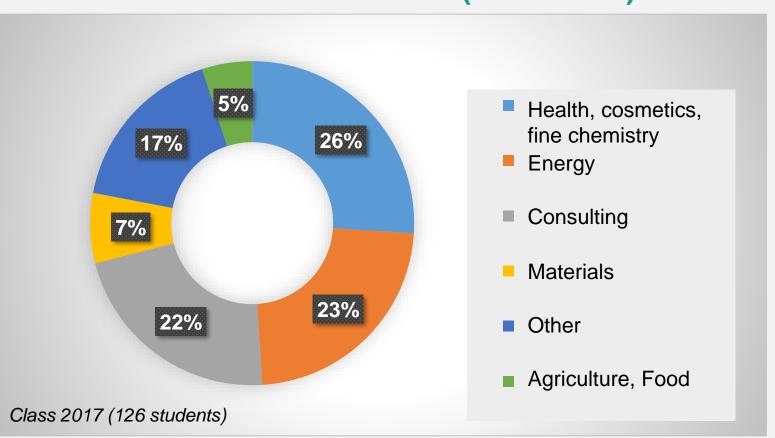
Our incubator: **Chimie Paris Innov**Cofunded by the European Union

➤ 6 start-ups since 2018



Employability of our Engineers

90 % of the students get a job or PhD before the graduation ceremony (December)



































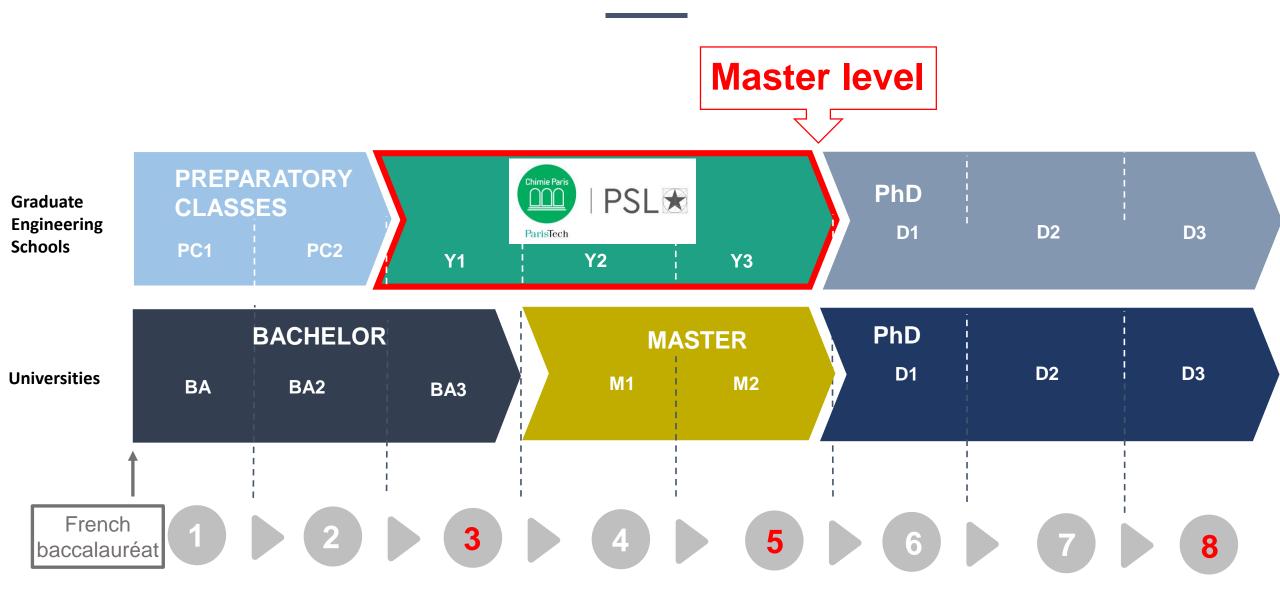




Training

Engineering Masters & PhD

HIGHER EDUCATION SYSTEM



Training top level professionals in chemistry

Organic and Bioorganic Chemistry
Solid State Chemistry

Analytical Chemistry

Chemical and Process Engineering

Environmental science

Material Science

Theoretical Chemistry
Life and health sciences

Nuclear Chemistry

Year 1
Towards engineering

Basic courses
Team projects
Management, Economy
Language and Cultures
Work internship 1-2 months

Year 2
Options

Basic courses & options
Projects (innovation)
Management, Economy
Language
Internship - 5 months

Year 3
Specialization

Projects (entrepreneurship)
Engineering or
Research master
Master internship - 6 months

• 12 months of mandatory internship • Regular meetings with industrials (conferences, workshops, visits)

Masters @ Chimie ParisTech

- Master Chimie Paris Centre (with SU):
 - ✓ Analytical, Physical & Theoretical Chemistry
 - ✓ Molecular Chemistry
 - ✓ Inorganic Materials and Polymers
 - **✓ Chemical Engineering**
 - ✓ Chemical Frontiers of Living Matter
- Master of Nuclear Energy
- Master Material Science (PSL)
- Master Energy (PSL)
- Master Molecular Pharmacology (with Paris Descartes)
- Master Material Science and Nanoobjects (with SU)

ENGINEERING

MASTER

PhD

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



Research

A world class research made to tackle global societal challenges

Integrated research: from the concept to the device / process, tuned to downstream applications

Research at the interfaces: physical, engineering and processes, biology, medicine Unfocused research, convenient to the reactivity and to the emergence of innovative subjects and risk-taking



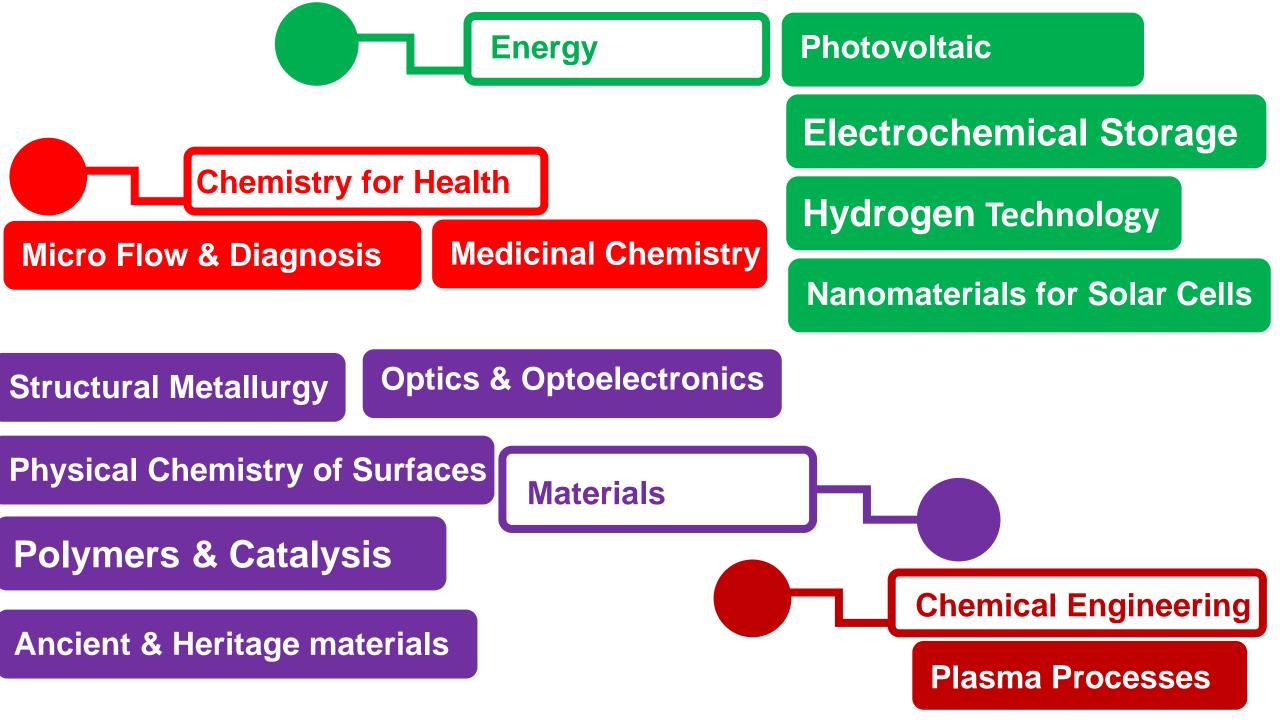


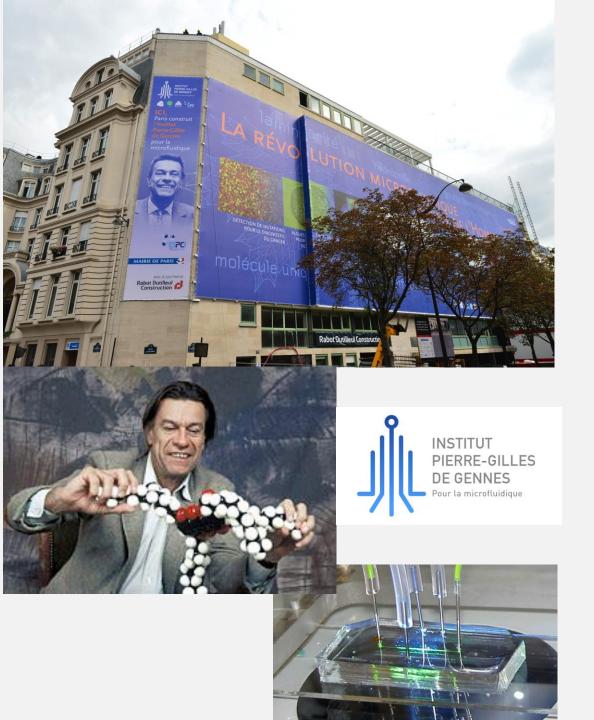
Chemistry for Materials & Energies

- Materials Sciences
- ✓ Thin Films and Surfaces
- Chemical Engineering
- Organometallic Chemistry
- ✓ Polymerization Catalysis
- ✓ Energy
- ✓ Microsystems
- ✓ Heritage materials
- ✓ Nano materials & structures
- Modelisation

Chemistry for Life Sciences & Health

- ✓ Analytical physico-chemistry : electrochemistry, separative methods & coupling of detection techniques
- ✓ Miniaturization
- ✓ Imagery
- ✓ Organic synthesis and methods for imaging and screening
- ✓ Modeling & theoretical Chemistry
- ✓ Inorganic Biological Chemistry, Medicinal Inorganic Chemistry, Medicinal Organometallic Chemistry
- ✓ Catalysis, Synthesis of Biomolecules and Sustainable Development





Pierre Gilles de Gennes Institute for microfluidics







- National excellence laboratory
- Created in 2011

www.institut-pgg.com

- € 28.2m project
- To bring together, in a cross-disciplinary domain, experts from various disciplines (Physics, biology, chemistry, technology)
- To develop both basic and applied research



Implementation of exchanges

International network

Sherbrooke
Polytechnic
Montreal
Colombia
New York U

Univ College London Cambridge

Erasmus

Insat

Tomsk & Novossibirsk State U

Technion KAUST

Univ Nacional De Colombia

Unicamp
Univ Sao Paulo
Univ Federale Rio
Univ Fed Rio
Grande Do Sul

Univ Nacional del Litoral
Univ Buenos Aires

BUCT
Nanjing Univ
Tsinghua
Peking U
Shanghai Jiatong
Fudan Tongji U
Wuhan U HKUST
Zhejiang U
U Sun Yat-sen
East China Univ of
Science & Tech
National Taiwan U

Australian
National Univ

Engineering cursus @ Chimie ParisTech





Basic courses
Team projects
Management, Economy
Language and Cultures
Work internship 1-2 months





Basic courses & options Projects (innovation) Management, Economy Language Internship - 5 months



Year 3
Specialization

Projects (entrepreneurship)
Engineering or
Research master
Master internship - 6 months

• 12 months of mandatory internship • Regular meetings with industrials (conferences, workshops, visits)

Second year: New applications

1 Sept-31 Dec 1 Jan-30 Mar 1 Apr-30 Aug

2 quarters:

- 1st: Common bases: Chemical engineering, Metallurgy, Polymers,
 Analytical chemistry II, Biochemistry, Nuclear energy and radioactivity,
 Thermostatistics and modelization, Inorganic chemistry
- 2nd: one option among Molecular chemistry Materials Chemical engineering Analytical and Biological Chemistry Biotechnologies
- « Techno project » (1/2 day per week, teamwork): Building of a prototype
- → innovation skills

Internship

(4-5 months)

Third year: specialization

industrial innovation and/or research

1 Sept-31 Jan



1 Feb-31 Jul

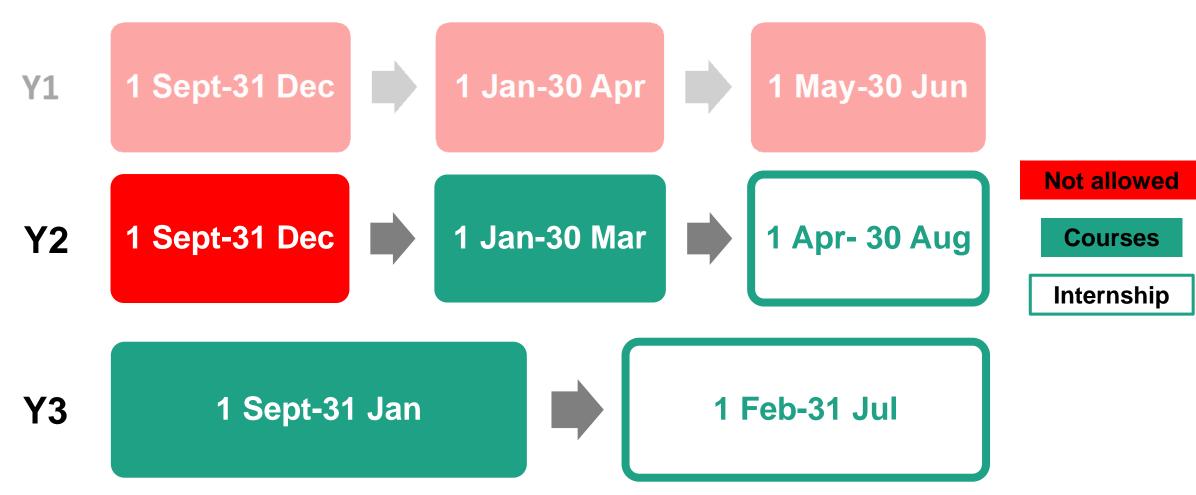
Engineering

Biotechnologies
Sustainable processes &
materials
Industrial processing
Green organic chemistry
Cosmetology and Formulation
Energies

Internship

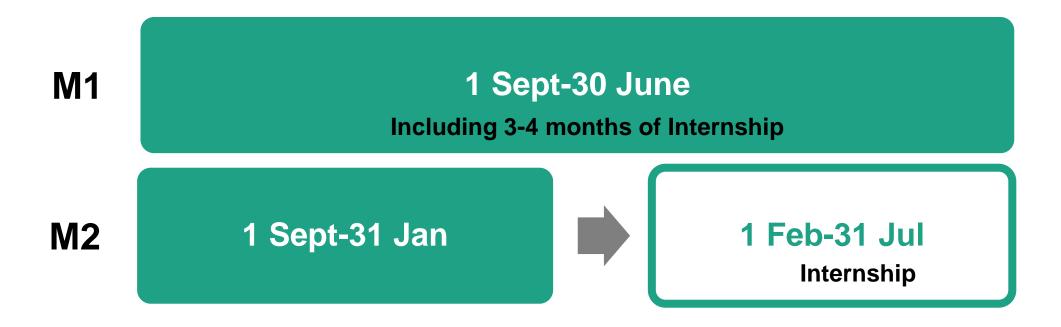
(6 months)

Regular international mobility Exchange "engineering track"

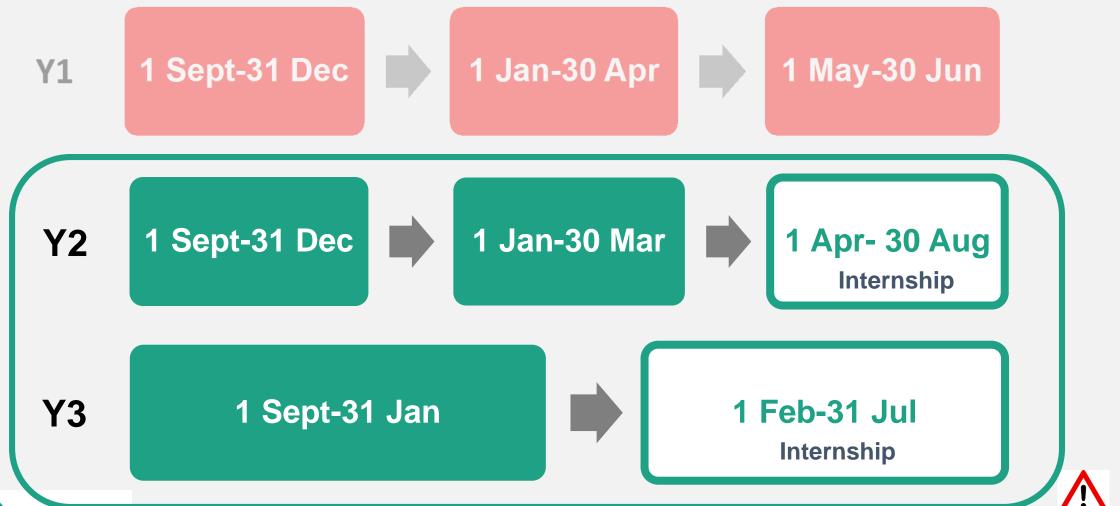


https://www.chimieparistech.psl.eu/admissions/

International mobility "Master track"



Double Degree agreement 3 semesters @ Chimie ParisTech & 2 internships







www.chimieparistech.psl.eu

International Relation Office

Dr. Fethi Bedioui, Director Mr. Antoine Mercier, Deputy international@chimieparistech.psl.eu

Thank you!



