



## ABOUT US

A master's programme in chemistry, physical-chemistry and materials science together with entrepreneurial skills.



A consortium of 5 leading research universities:

- Paris-Saclay University (France)
- Adam Mickiewicz University (Poland)
- University of Genoa (Italy)
- University of Porto (Portugal)
- McGill University (Canada)

## WHY CHOOSE SERP+?

- Leadership in strategic fields: renewable energies, green chemistry and catalysis, nanomedicine, nanosciences, new materials and radiation therapies.
- Broad range of job and PhD offers
- International Summer school for entrepreneurship and business networking and Winter school in Data Science
- Large network of companies and research centres
- Student facilities

### CONTACT US

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[www.master-serp.eu](http://www.master-serp.eu)



Co-funded by  
the European Union

# PROGRAMME CONTENT

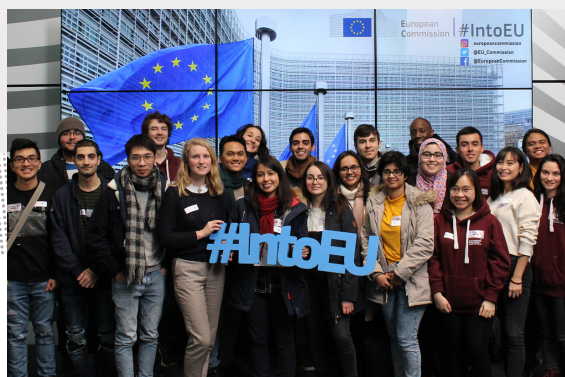
Note that the medium of instruction and examination is English.



## Mobility track

SEMESTER 1		SEMESTER 2		SEMESTER 3		SEMESTER 4	
UPSaclay	Winter school U.Porto / AMU Data Science	<b>AMU</b> <i>Physical chemistry and photochemistry of molecules and biomolecules</i>	Summer school UniGe Entrepreneurship	<b>UniGe</b> <i>Nanostructuring at surfaces for energy harvesting, electronics, and green chemistry</i>	Master Thesis + internship 6 months	UPSaclay <i>Defence + Graduation</i>	
<i>Fundamentals and methods</i>		<b>U.Porto</b> <i>Chemistry and physics of materials and interfaces for sustainability</i>		<b>UPSaclay</b> <i>Nanomaterials for medicine and energy: from research to decision making</i>			
				<b>McGill</b> <i>Intensive Research path in physical-chemistry related fields</i>			

Non-European students are encouraged to study within the European consortium, while the Canadian track is primarily available to European students.



## MULTIPLE DEGREE

- Master's degree in Chemistry from Paris-Saclay University
  - Master's degree in Materials Science and Technology from the University of Genoa
  - Master's degree in Nanomaterials Science and Technology from the University of Porto
  - Master's degree in Chemistry from Adam Mickiewicz University in Poznan
  - Master's degree in Chemistry from McGill University
- + Joint diploma supplement



# SUMMER SCHOOL

Learn how to transfer technology to the market and to the society thanks to the 2-week summer school taking place at the University of Genoa!



**Courses:** European patent law, Business and economy management, Communication, Risk capital and funding, Technology of innovation, New Information and Communication Technologies, Personal professional project,...

[www.sosmse.eu](http://www.sosmse.eu)

# WINTER SCHOOL

The winter school is an introduction to different aspects of computational data science, applied to chemical and material sciences.

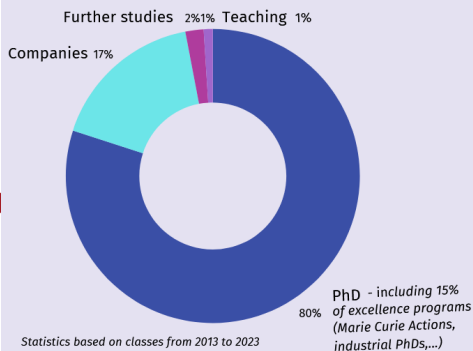
# NETWORKING

On-site visits, seminars and internships are proposed by our partners:

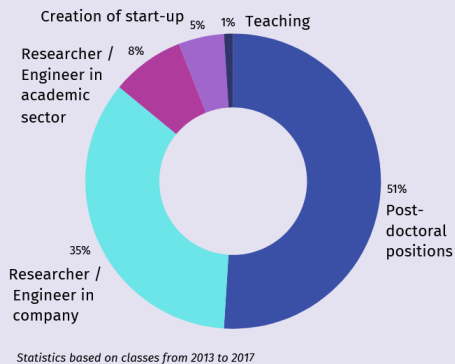
More than 30 associated partners : companies, research & innovation centres, large scale facilities, medical centres, business school and non-European universities..

# CAREERS

## Job insertion right after SERP



## Job insertion after PhD



# ADMISSION CRITERIA

A Bachelor degree (180 ECTS or equivalent) in chemistry, physical-chemistry, or materials science with elements of chemistry.  
English skills (TOEFL, IELTS or other proof).



## SCHOLARSHIPS

Erasmus Mundus (for 2 years): 33 600 €

Paris-Saclay IDEX scholarship (for 2 years):  
20 000 €

Partial scholarships: fee waiving (for 2 years)



## Documents for application

- CV
- Cover letter
- Transcripts of records + grading system explanation
- Proof of English
- Contact details of a referee
- Identity document

## APPLICATIONS

Indicative yearly calendar (precise deadlines on the website):

- November: opening of the applications
- Mid-March: deadline for applications
- End of April: communication of the results

Go to [www.master-serp.eu](http://www.master-serp.eu)

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PARIS-SACLAY

  
Università  
di Genova

  
UNIVERSYTET  
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W POZNAŃU

U. PORTO

 McGill