Erasmus Mundus Joint Master
CHEMOINFORMATICS+

- **In Silico Drug Design**
- **Chemoinformatics and Physical Chemistry**
- **Chemoinformatics for Biophysical and Computational Chemistry**
- **Chemoinformatics for Organic Chemistry**
- **Chemoinformatics and Materials Informatics**

MUNDUS CHEMOINFO+

Université de Strasbourg Université Paris Cité UNIVERSITÀ DEGLI STUDI DI MILANO University of Ljubljana NOVA UNIVERSIDADE NOVA DE LISBOA Bar-Ilan University אוניברסיטת בר-אילן

This two-year, 120 ECTS, multi-university Master programme offers a unique opportunity to enjoy high level training in Chemoinformatics in different Universities among the six involved in the Chemoinformatics+ Consortium worldwide.

The Master is open to undergraduate and graduate students with a Bachelor degree (180 ECTS) in Chemistry, Physical-Chemistry, Bio-Chemistry or equivalent.

OBJECTIVES
OF THE PROGRAMME

This Master program aims at training specialists with strong skills in Chemistry, basic Computer science and specific Chemoinformatics methods.

- The program includes lectures and tutorials in chemoinformatics, molecular modeling, quantum chemistry as well as software programming and database management.
- Recent developments in statistics and machine learning, specifically big data and artificial intelligence are also addressed.
- Summer schools offer advanced lectures from the best worldwide specialists in the field of Chemoinformatics.
- Several specific events are satellites of the school : the molecular modelling project, a preparatory workshop dedicated to the industrial project and a hackathon dedicated to open science.

PROGRAMME
3 MOBILITIES

Chemoinformatics+ offers a two-year Master's programme in which students can choose their own mobility track.

The mobility pattern is as follows :

TRACK	YEAR 1		Mandatory Summer School	YEAR 2		Optional Summer School
	S1	S2		S1	S2	
In Silico Drug Design	Strasbourg	Milan		Paris	Internship	
Chemoinformatics and Physical Chemistry	Milan	Milan		Strasbourg	Internship	
Chemoinformatics for Biophysical and Computational Chemistry	Ljubljana	Ljubljana		Strasbourg	Internship	
Chemoinformatics for Organic Chemistry	Lisbon	Lisbon		Strasbourg	Internship	
Chemoinformatics and Materials Informatics	Ramat-Gan	Ramat-Gan		Strasbourg	Internship	

ADMISSION

- **Degree requirement**

Students need to have successfully completed at least an undergraduate degree in the field of Chemistry, Physical-Chemistry, Bio-Chemistry or equivalent. Candidates still completing their Bachelor's degree should graduate before the start of the Master.

- **Language requirements**

Students must be fluent in English. It is not mandatory to speak Italian, Portuguese, Slovenian or Hebrew but it is an advantage.

- **Mobility restrictions**

The mobility track for each student involve two out of the six universities of the Consortium. Students can choose a track even if the first year is in their home country. Nevertheless, these students must do their internship abroad to fulfill mobility requirements.

- **Selection process**

APPLICATIONS MUST BE DONE THROUGH THE OFFICIAL APPLICATION PLATFORM

https://masterchemoinfoplus.chimie.unistra.fr

FEES & FUNDING

- **Fees**

Erasmus Mundus students do not pay neither application fees nor tuition fees.

- **Funding**

The Erasmus Mundus Master in Chemoninformatics+ award a two-year Erasmus Mundus scolarship of €1 400 to approximately 20 students out of the 25 selected per edition.

Partners endeavour to offer other grants to seld-financed students (regular Erasmus+ scolarship, twin cities, scolarship of the Region, embassies ...).

5 reasons to choose Chemoinformatics+

1 A double diploma

2 Master of excellence labelled Erasmus Mundus

3 An International Master

4 A Multicultural experience

5 Professional opportunities in many sectors

CONTACT

If you need further information concerning general enquiries please contact :

chimie-erasmusmundus-contact@unistra.fr

For any other enquiries concerning the Universities of the Consortium, please consult the subsections devoted to each University.

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Where can you find us

🌐 https://masterchemoinfoplus.chimie.unistra.fr

📷 https://www.instagram.com/mundus_chemoinformaticsplus/

in https://www.linkedin.com/groups/4755136/