Université Paris-Saclay

Partager

Email destinataire :

Vous devez renseigner un email valide

Envoyer

Une erreur est survenue. Merci de réessayer ultérieurement

Le mail de partage a bien été envoyé.

Ajouter au comparateur

M2 Chemistry International Track - Erasmus Mundus

Master
Mention Chimie
Régime(s) d'inscription
Formation initiale
Formation continue
Langue(s) d'enseignement
Anglais

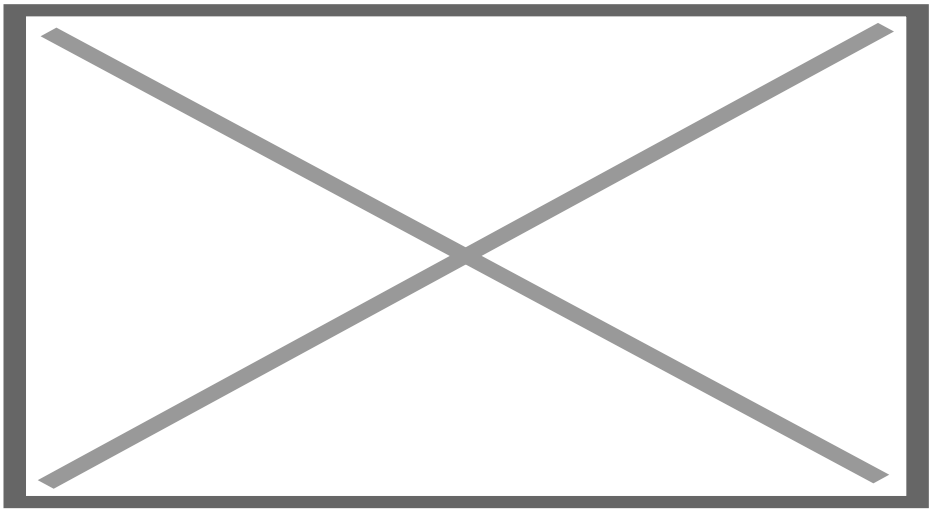
The M2 Chemistry international Track is a master's program designed both for French students who wish to study in English in order to strengthen their language skills in addition to their scientific skills, and for international students seeking valuable academic experience abroad in a renowned European research university. The program offers high level training in chemistry, fostering not only scientific expertise but also intercultural exchange and international professional development.

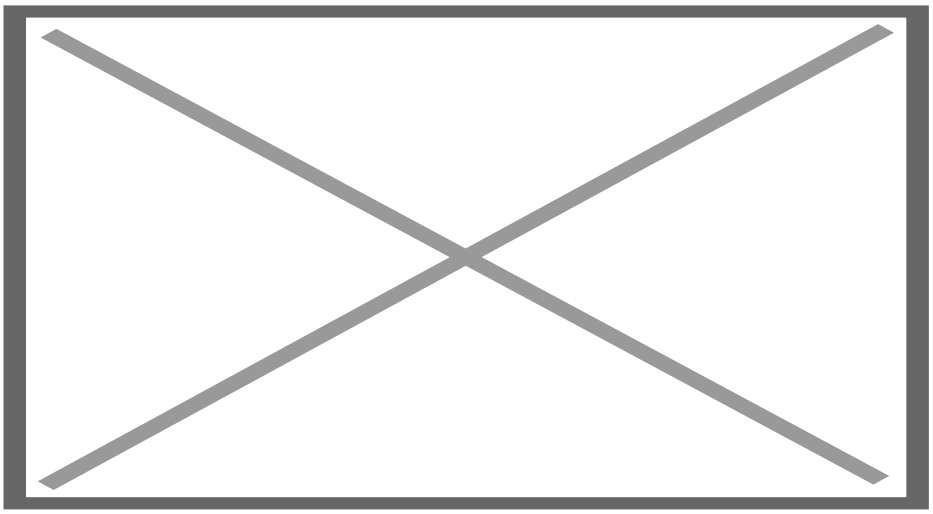
The second year of this master's program is built upon the foundation laid in the first year, with a continued focus on chemistry and physical chemistry.

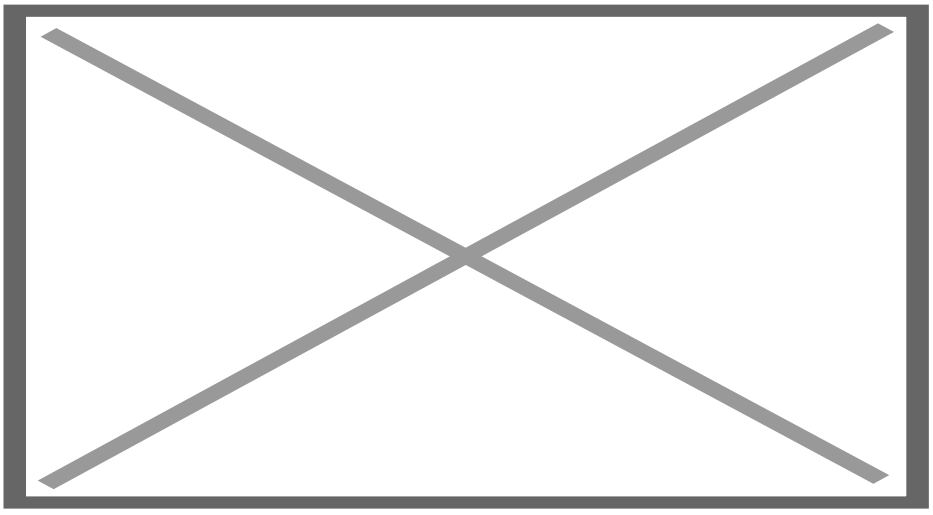
Students will be ready to develop innovative ideas and enterprises related to sustainable Energy, Health and Environment. The program places a significant emphasis on practical laboratory training, utilizing state-of-the art equipment and platforms. The second year of master's program, Chemistry-International Track, encompasses an internship for 6 months that provides students with an advanced research experience within top-level scientific groups (at UPSaclay for academic internships, or worldwide for internships in companies).

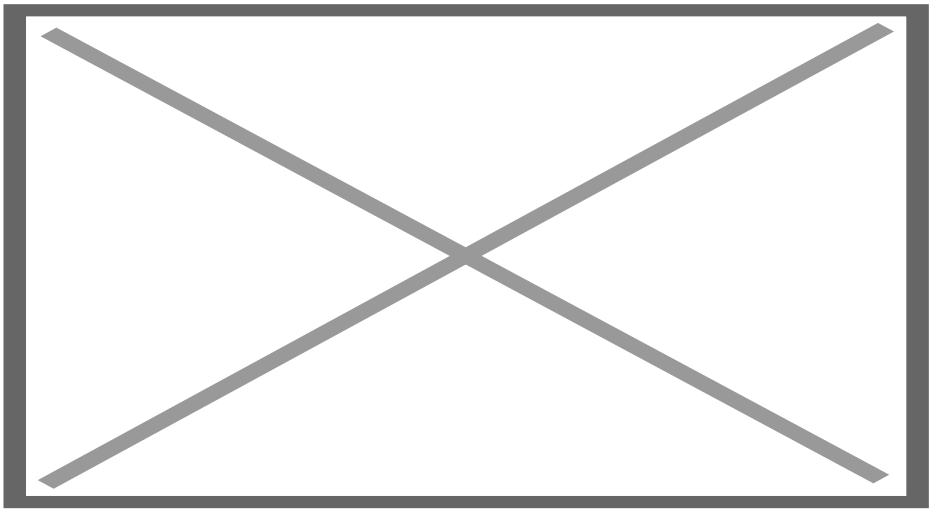
This programme addresses an increasing demand for highly skilled scientists, engineers and top managers ready to enter the labour market with solid hard and soft skills and strong EU

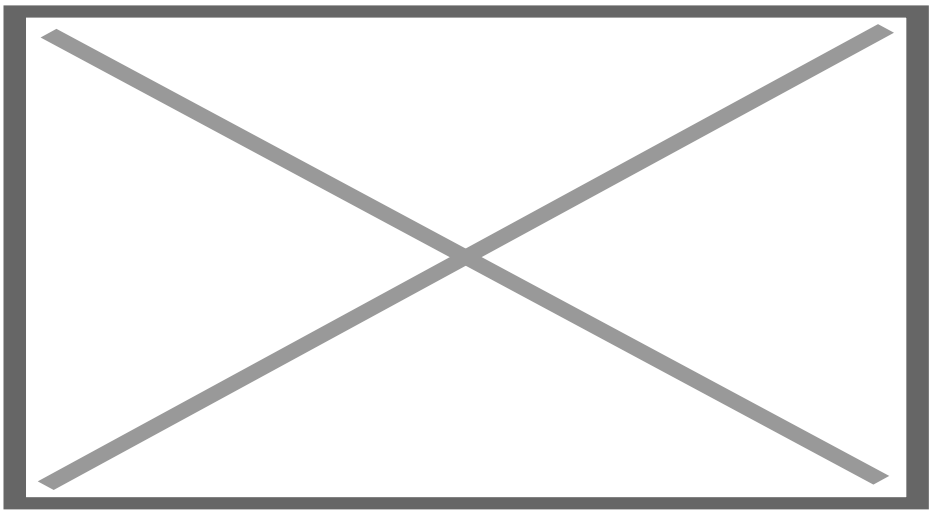
Télécharger la fiche détaillée
Je candidate











Informations

- Présentation
- Admission
- Programme

Présentation

Compétences

+ Communicate information and results to different audiences by being able to describe a protocol and organize its results.

+ Establish and carry out a scientific approach in chemistry, theoretical or experimental, independently by organizing your working time to achieve the set objectives.

+ Identify and implement methods and techniques for developing and/or producing molecules or materials while respecting good laboratory practices.

+ Choose and implement methods for separation and characterization of compounds, knowing the theoretical principles of measurement and being able to interpret the results.

+ Predict physicochemical properties or the reactivity of molecules and/or materials by combining all disciplinary knowledge.

+ To apprehend properties related to the spatial organisation of matter and temporal aspects of chemical phenomena.

Objectifs pédagogiques de la formation

+ Offer a training dedicated to chemistry entirely in English language to all local and international students

+ Focus on important societal aspects (energy, health & radiation chemistry, nanosciences).

+ The second semester focuses on learning through research, through a six-month internship in an academic laboratory, research institute or company. An internship abroad is possible

+ Scholarships available for international students

Débouchés

Poursuite d’études

Doctorat
Doctorat / PhD interdisciplinaire en Science de la durabilité (nombreuses disciplines possibles)
Thèse de doctorat
Les étudiants titulaires d’un M2 ont la possibilité de poursuivre dans la recherche en doctorat
ngénierie études, recherche et développement

Admission

Capacité d’accueil

Places

30

Public visé et prérequis

+ For European students: having validated 240ECTS + English level B2 minimum

+ For non-EU European students : holding a master’s degree + English level B2 minimum

Topics : Chemistry or closely related topics

Pièces justificatives

Obligatoires

Copie pièce d'identité.

Lettre de motivation.

Tous les relevés de notes des années/semestres validés depuis le BAC à la date de la candidature.

Attestation de niveau d'anglais.

Curriculum Vitae.

Facultatives

Dossier VAPP (obligatoire pour toutes les personnes demandant une validation des acquis pour accéder à la formation) https://www.universite-paris-saclay.fr/formation/formation-continue/validation-des-acquis-de-lexperience.

Document justificatif des candidats exilés ayant un statut de réfugié, protection subsidiaire ou protection temporaire en France ou à l’étranger (facultatif mais recommandé, un seul document à fournir) :
- Carte de séjour mention réfugié du pays du premier asile
- OU récépissé mention réfugié du pays du premier asile
- OU document du Haut Commissariat des Nations unies pour les réfugiés reconnaissant le statut de réfugié
- OU récépissé mention réfugié délivré en France
- OU carte de séjour avec mention réfugié délivré en France
- OU document faisant état du statut de bénéficiaire de la protection subsidiaire en France ou à l’étranger.

Programme

Matières	ECTS	Semestre	Cours	TD	TP	Cours-TD	Cours-TP	TD-TP	A distance	Projet	Tutorat
Tracking ultrafast radiation-induced reactivity	3	Semestre 1	21	6	0						

Charger le détail

Matières	ECTS	Semestre	Cours	TD	TP	Cours-TD	Cours-TP	TD-TP	A distance	Projet	Tutorat
Medical applications of nanomaterials and radiations	6	Semestre 1	33		12						
Charger le détail											
Nanosciences	6	Semestre 1	26	10	13.5						
Charger le détail											
Top management, corporate law, and project writing for technology transfer and decision making + immersion experience	4	Semestre 1	20								
Charger le détail											
Applications for renewable energy and storage: solar fuels, batteries and hydrogen	6	Semestre 1	34.5		8						
Charger le détail											
Scientific writing and career objectives	2	Semestre 1	19.5								
Charger le détail											
French language, EU values (3 ECTS)	3	Semestre 1	25								
Charger le détail											

Matières	ECTS	Semestre	Cours	TD	TP	Cours-TD	Cours-TP	TD-TP	A distance	Projet	Tutorat
Stage	30	Semestre 2									
Charger le détail											

Lieu(x) d'enseignement

ORSAY

Contact(s)

- **Van-Oanh NGUYEN-THI**

http://www.universite-paris-saclay.fr/formation/master/chimie/m2-chemistry-international-track-erasmus-mundus