Université Paris-Saclay

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Add to Compare

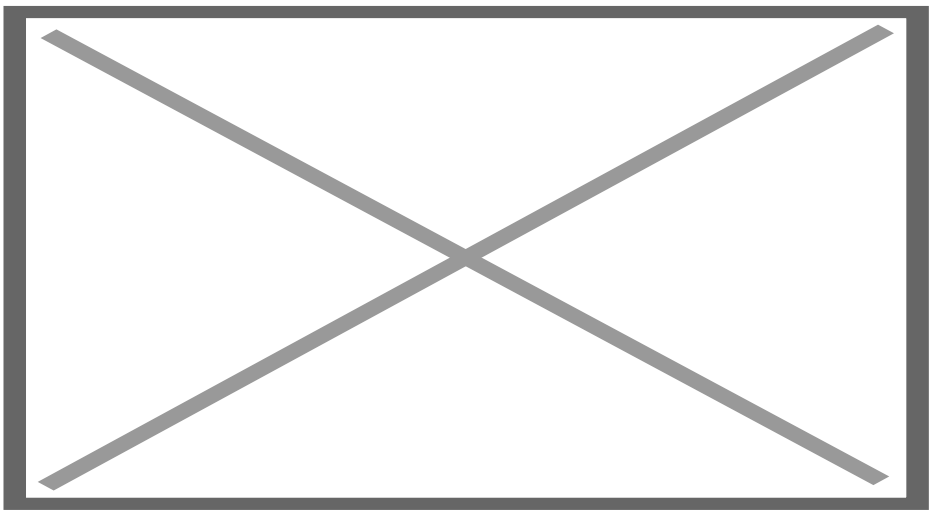
M1 Mechanics - International track

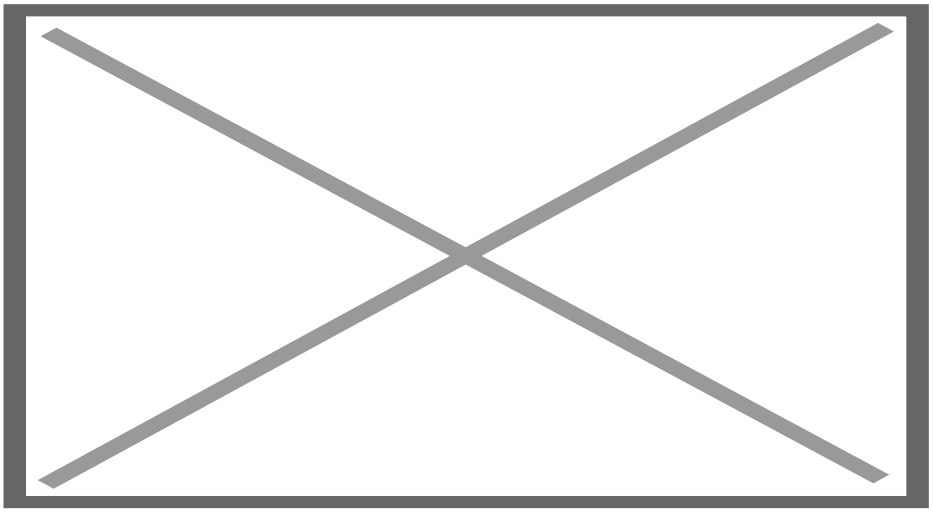
Master's degree
Specialisation Mechanics
Enrolment type
Formation initiale
Language(s) of instruction
English

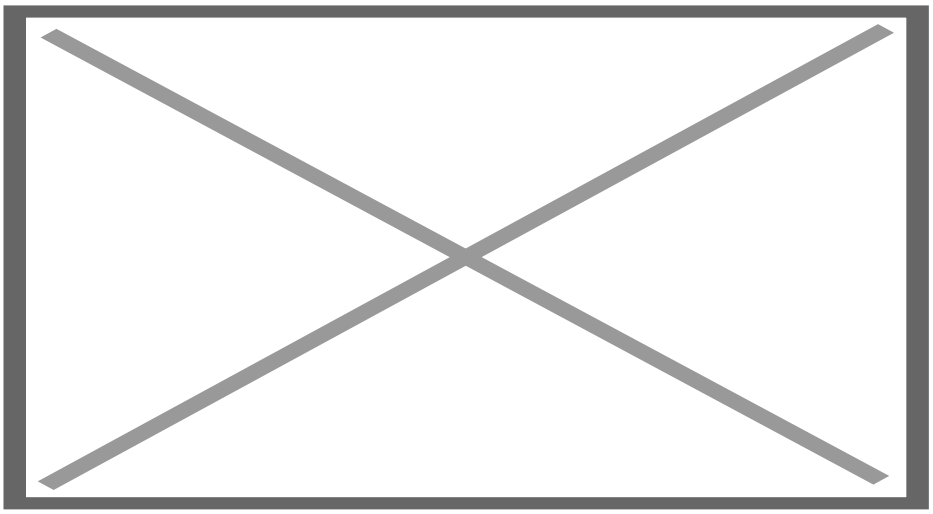
This Master's programme is aimed at international and French-speaking students.

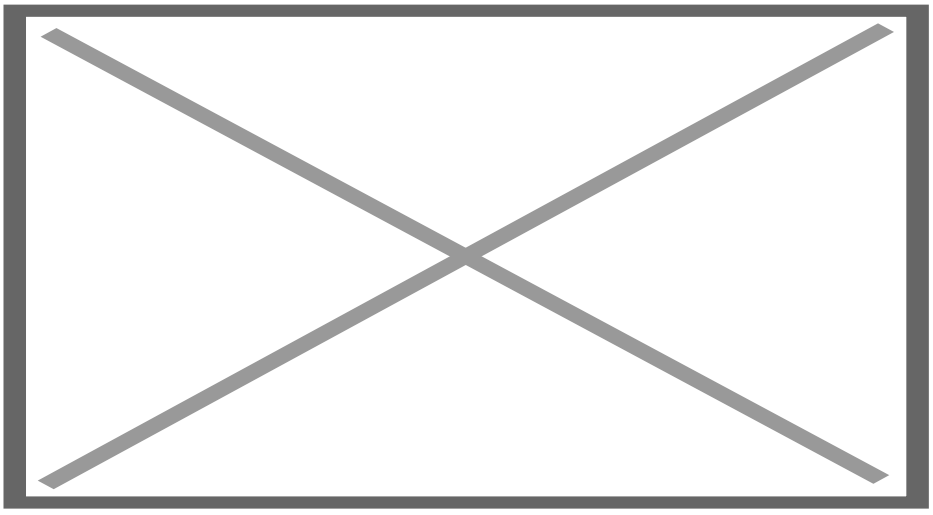
Succession of classes, each extending on a semi-semester, in a group with a quasi-individual size (project, lab work), to a size of a few tens of students (Tutorial), to a lecture including a hundred of students.

Télécharger la fiche détaillée
Apply Now









Information

- Overview
- Application requirements
- Schedule

Présentation

Skills

Independently formulate a mechanical problem to meet a given objective, from modelling the study system to modelling the stresses and boundary conditions, by proposing a relevant strategy to resolve them.

Objectives

Develop an autonomous work capacity in a foreign country with its own rules and school of thought, relying notably on formalism.
Possess a knowledgefit for a M1 student in mechanics and closely related topics (coupled physics, modelling...).

Débouchés

Further Study Opportunities

Other M2 Tracks (French C1 + Prerequisites)

Calendar

Start of programme (indicative date)
07/09/2026
End of programme (indicative date)
26/06/2027
Admission

Admission Route

Mechanics
Engineering Sciences

Capacity

Available Places

7

Target Audience and Entry Requirements

Physics and mechanics basics
Outils mathématiques associés (linear algebra, differential calculation...)

Période(s) de candidature

Inception Platform

From 30/01/2026 to 15/06/2026

Supporting documents

Compulsory supporting documents

2nd letter of recommendation (compulsory for candidates who have already been enrolled in higher education in France before).

Motivation letter.

Letter of recommendation or internship evaluation.

All transcripts of the years / semesters validated since the high school diploma at the date of application.

Certificate of English level (compulsory for non-English speakers).

Curriculum Vitae.

Detailed description and hourly volume of courses taken since the beginning of the university program.

Additional supporting documents

VAP file (obligatory for all persons requesting a valuation of the assets to enter the diploma).

Supporting documents :
- Residence permit stating the country of residence of the first country
- Or receipt of request stating the country of first asylum
- Or document from the UNHCR granting refugee status
- Or receipt of refugee status request delivered in France
- Or residence permit stating the refugee status delivered in France
- Or document stating subsidiary protection in France or abroad
- Or document stating temporary protection in France or abroad.

Programme

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis le c
Continuum mechanics	4.5	Semestre 1	12	17	4				
Charger le détail									
Fluid mechanics	4.5	Semestre 1	15	15					
Charger le détail									
Structural dynamics and acoustics	4.5	Semestre 1	13.5	13.5	3				
Charger le détail									
Projet	5.5	Semestre 1							
Charger le détail									
Langue : Français Langue Etrangère pour les non francophones ou Anglais	2	Semestre 1	21						
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dist lea co
Introduction to mass, momentum and heat transfer	4.5	Semestre 1	16.5	16.5					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distan learn cour
Non linear behaviour of materials	4.5	Semestre 1	12	12					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distan learn cour
Heat transfer	4.5	Semestre 1	15	18					
Charger le détail									
Machine learning	4.5	Semestre 1	18		15				
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis le c
Projet	5	Semestre 2							
Charger le détail									
Méthodes numériques	4.5	Semestre 2	15						
Charger le détail									
Langue : Français Langue Etrangère pour les non francophones ou Anglais	2	Semestre 2	21						
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis lea co
Multiphysics coupling simulations with FE	4.5	Semestre 2	15		15				
Charger le détail									
Optimisation	4.5	Semestre 2	24	10.5					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dist lea co

Engineering course with applicative workshop	5	Semestre 2	16.5	16.5
Charger le détail				
Fabrication additive (course and applicative workshop)	5	Semestre 2	12	
Charger le détail				
Engineering elective course	4.5	Semestre 2	16.5	16.5
Charger le détail				

Teaching Location(s)

GIF SUR YVETTE

Contact

- **Ann-Lenaig HAMON**

  MCF

- **CentraleSupélec SUPPORT SCOLARITE**

  Support scolarité

http://www.universite-paris-saclay.fr/formation/master/mecanique/m1-mechanics-international-track