Université Paris-Saclay

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M1 Mécanique - Mécanique des Matériaux et des Structures

Master's degree

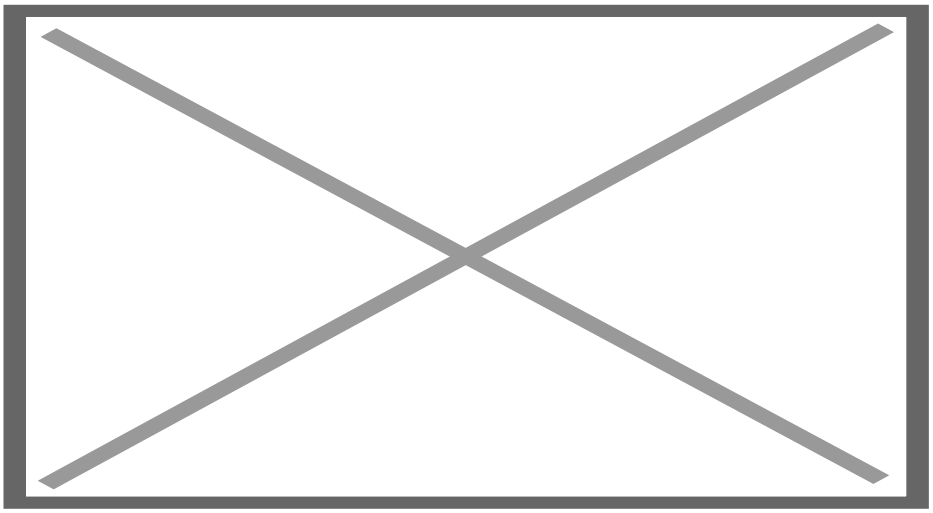
Specialisation Mechanics

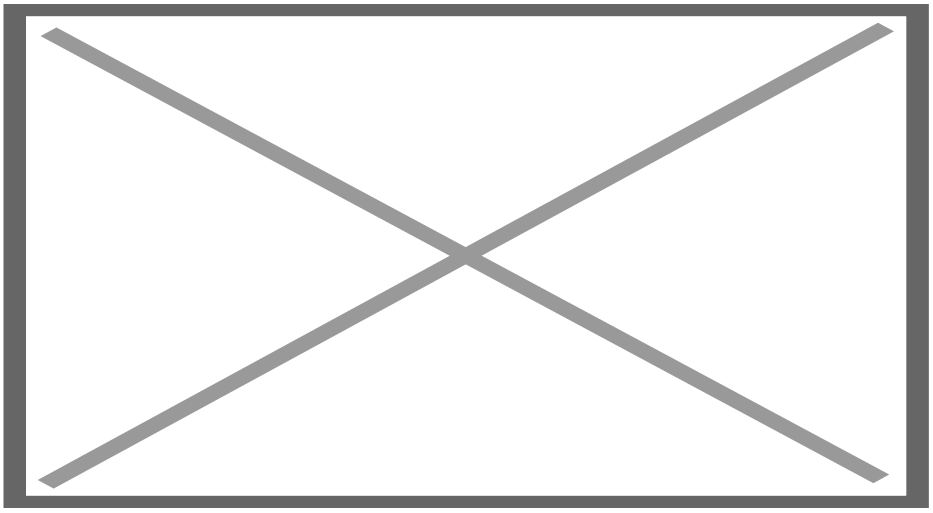
Language(s) of instruction

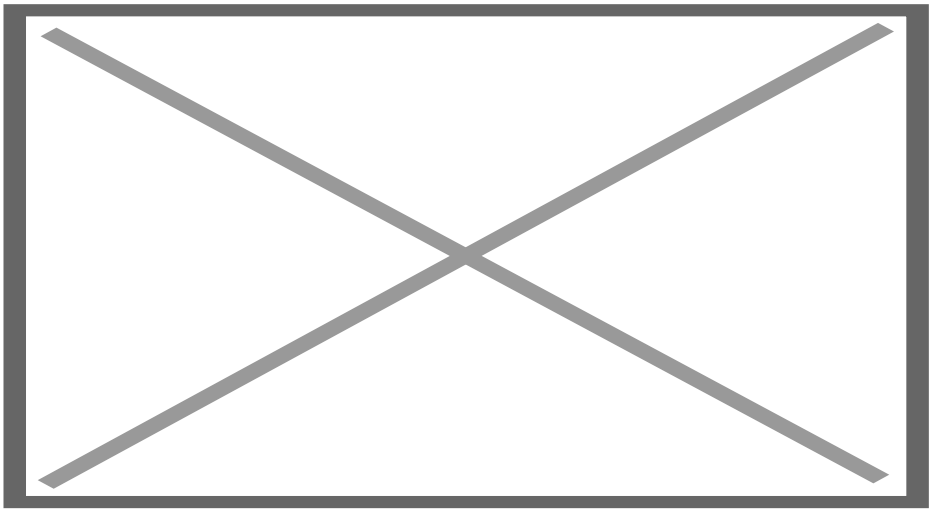
French

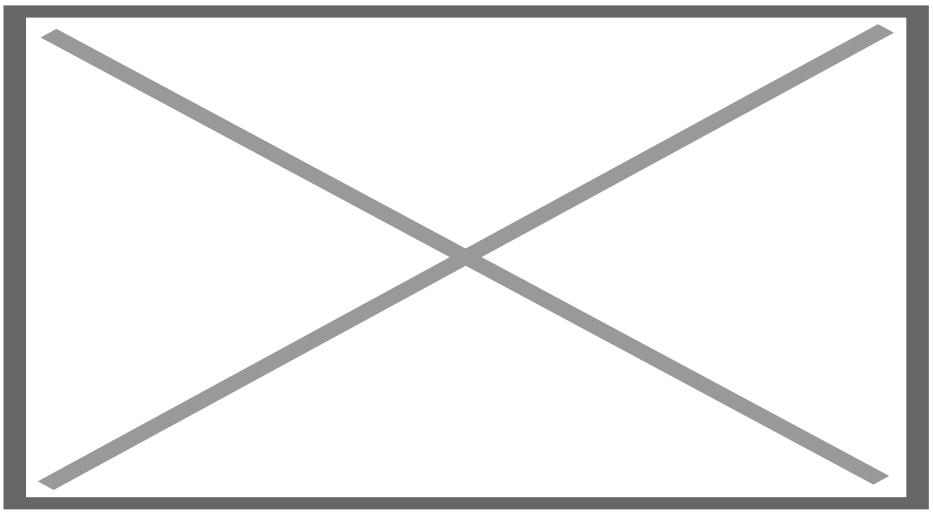
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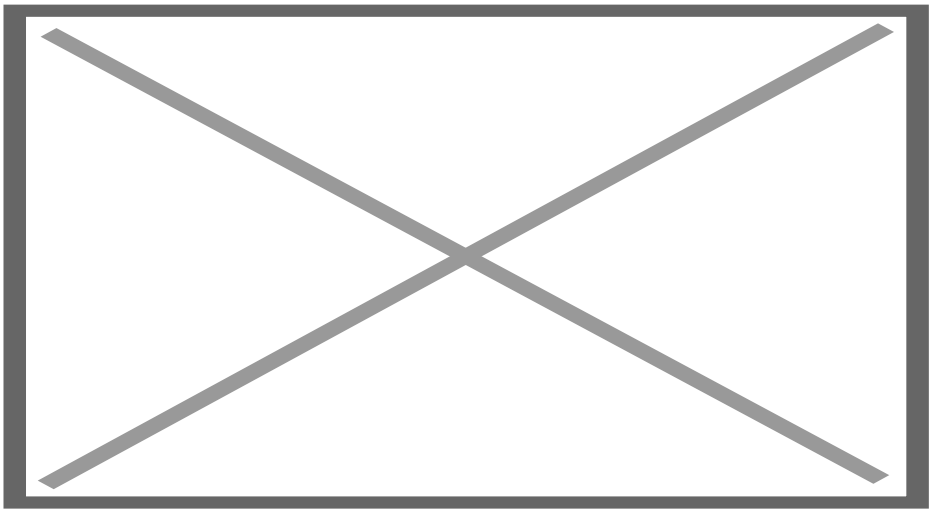
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Information

- Overview
- Application requirements
- Schedule

Présentation

Débouchés

Career prospects

After a Master's + PhD: researcher or lecturer
After a Master's or Master's + PhD: engineer (R&D, control, production, etc.)
Lecturer (after a PhD)
Research or Design Engineer

Further Study Opportunities

Mechanical Engineering School
Master’s Degree in Engineering or Mechanical Engineering
Master of Teaching Professions

Admission

Admission Route

Physics
Mechanics
Science and Technology
Engineering Sciences

Capacity

Available Places

24

Période(s) de candidature

Inception Platform

From 15/01/2026 to 16/03/2026

MonMaster Platform

From February 17th to March 16th, 2026

To find out which platform you should apply through, please see the Masters' applications and enrolment page.

Supporting documents

Compulsory supporting documents

Motivation letter.

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

Certificate of French (compulsory for non-French speakers).

Curriculum Vitae.

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	dista learr cou
Sciences des matériaux MIP/MMS	3	Semestre 1	10	12	8				
Charger le détail									
Outils d'IA pour la mécanique	3	Semestre 1	9.5		20.5				
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dista learn cou
Méthodes des éléments finis	3	Semestre 1	12	4	14				

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practica class
Plasticité microcristalline et tridimensionnelle	3	Semestre 2	12	10	8			

Charger le détail

Ingénierie mécanique durable : de la matière au produit	3	Semestre 2	8	2	20			

Charger le détail

Optimisation topologique pour la fabrication additive	3	Semestre 2	14		16			

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dista learn cou
Stage ou Projet Industriel ou de Recherche MIP	12	Semestre 2							

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dist lea co
MMC Solides - Site ENS	3	Semestre 1	14	16					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dist lea co
MMC Fluides - Site ENS	3	Semestre 1	14	16					
Charger le détail									
Méthodes Numériques pour les équations aux dérivées partielles - Site ENS	3	Semestre 1	14	8	8				
Charger le détail									
Anglais - Site ENS	3	Semestre 1		20					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	c
Méthodes expérimentales	3	Semestre 1	6	8	16				
Charger le détail									
Systèmes Poly Articulés	3	Semestre 1	8	10	12				
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dista learn cou
Vibrations dans les solides	3	Semestre 1	10	10	10				
Charger le détail									
Ondes	3	Semestre 1	10	12	8				
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practica class
Stabilité des structures	3	Semestre 2	12	10	8			

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed	Lecture/practical	directed study/practica class
Charger le détail Outils pour la modélisation des structures composites	3	Semestre 2	12	6	12			
Charger le détail Conception et dimensionnement des transmissions de puissance mécaniques	3	Semestre 2	10	8	12			
Charger le détail Conception des transmissions hydrauliques	3	Semestre 2	6	8	16			
Charger le détail								

Teaching Location(s)

GIF SUR YVETTE

Contact

- **Laetitia GENTOT**

  responsable pédagogique

- **Isabelle BENLARBI DELAI**

  gestionnaire administrative

http://www.universite-paris-saclay.fr/formation/master/mecanique/m1-mecanique-mecanique-des-materiaux-et-des-structures