Université Paris-Saclay
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M1 Planétologie et exploration spatiale

Master's degree
Specialisation Earth and Planetary Sciences, Environment (STePE)
Enrolment type
Formation initiale
Language(s) of instruction
French
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Information

- Overview
- Application requirements
- Schedule

Présentation

Débouchés

Further Study Opportunities

Master of STePE and other Master of Earth Sciences

Calendar

Start of programme (indicative date)
01/09/2026
End of programme (indicative date)
31/08/2027
Admission

Admission Route

Physics
Chemistry
Life and Earth Sciences

Capacity

Available Places

12

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.

Curriculum Vitae.

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

Additional supporting documents

Document at your convenience.

Any document of interest to support the application can be added

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

A certificate of french language level is mandatory for students originating from a non French-speaking country

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

Recommendation letters.

Recommandation letters attesting about the interest for planetary sciences will be appreciated

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
Stage de terrain (2 semaines)	6	Semestre 2			60			
Charger le détail								
Stage en laboratoire ou en entreprise	6	Semestre 2						
Charger le détail								
Méthodes instrumentales pour l'environnement et la planétologie	3	Semestre 2	12		12			
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practic class
Projets sur les enjeux environnementaux	3	Semestre 2	1	3				

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practic class
Charger le détail								
Epistémologies et éthiques de l'environnement et du développement	3	Semestre 2	21					
Charger le détail								
Conférences sur l'Environnement	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
Anglais	3	Semestre 1		30				
Charger le détail								
Analyse de données bases (statistiques et signaux)	3	Semestre 2	12		12			
Charger le détail								
Fonctionnement du système Terre : phénomènes et concepts	3	Semestre 1	14	14				
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practica class
Cycles biogéochimiques et paléotraceurs	3	Semestre 1	21	0	3			
Charger le détail								
Géochronologie	3	Semestre 2	14	6	10			
Charger le détail								
Analyse de données : programmation	3	Semestre 2	3	4	21			

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Charger le détail Système d'information géographique (SIG)	3	Semestre 1	10	14				
Charger le détail Physique des fluides	3	Semestre 1	12	12	6			
Charger le détail Mécanique des milieux continus	3	Semestre 1	18	10				
Charger le détail Géodynamique	3	Semestre 1	12		18			
Charger le détail Variabilité et forçages du climat	3	Semestre 1	24.5	3.5				
Charger le détail Imagerie géophysique	3	Semestre 2	12	12				
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Atmosphères planétaires et exobiologie	3	Semestre 1	15		3			
Charger le détail Intérieurs planétaires	3	Semestre 2	20					
Charger le détail 1053	3	Semester 2		21	7			
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed	Lecture/practical	directed study/practical class
Dynamique des océans et de l'atmosphère Charger le détail	3	Semestre 1	12	12				
1039 Charger le détail	3	Semester 1		21	7			
Télédétection des surfaces Charger le détail	3	Semestre 1	12		18			
Géomorphologie Charger le détail	3	Semestre 2	12	12				

Teaching Location(s)

BURES SUR YVETTE
ORSAY
GIF SUR YVETTE
GUYANCOURT

Contact

- **Cyril SZOPA**
- **Yves Missenard**
- **Emmanuel MARCQ**

http://www.universite-paris-saclay.fr/formation/master/sciences-de-la-terre-et-des-planetes-environnement/m1-planetologie-et-exploration-spatiale