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LDD1 Mathématiques, Physique et Applications

Licence Double-Diplôme (Undergraduate double degree)

Specialisation Mathématiques, Physique et Sciences pour l'Ingénieur

Enrolment type

Formation initiale

Language(s) of instruction

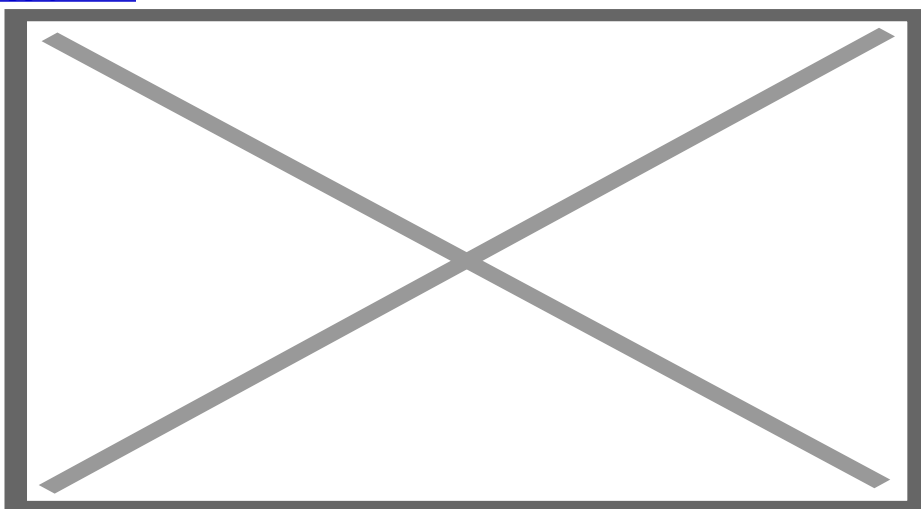
French

<https://www.physique.uvsq.fr/licence-double-diplome-mathematiques-physique-sciences-pour-ingenieur>

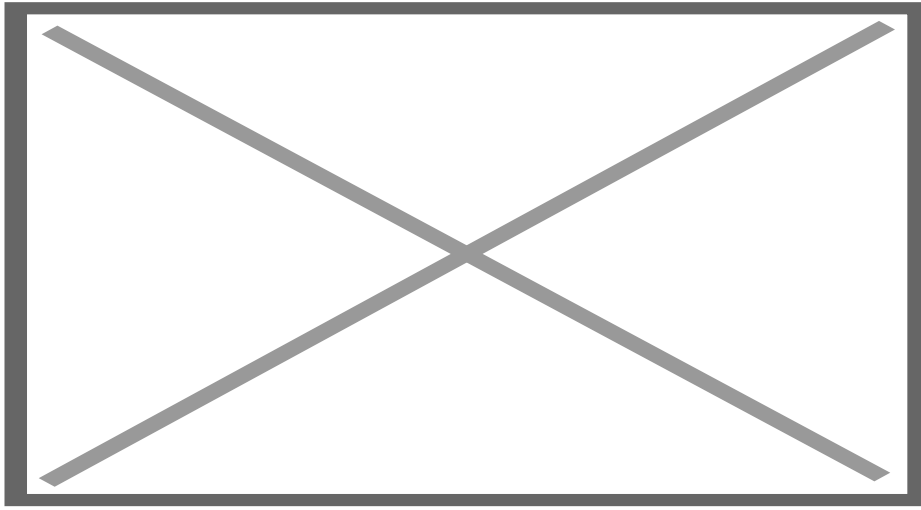
The LDD MPSI offers progression from high school to Master's degree, allowing for progressive specialization. It provides a solid grounding in both mathematics and physics. Balanced (1/3 mathematics, 1/3 physics, 1/3 cross-curricular projects and languages), it opens the doors to all master's degrees in mathematics, physics or engineering sciences for students and allows access to engineering schools (university competitive examinations and gateways). Supported by the research teams of partner institutions, it provides initial training through research and an introduction to academic or applied research.

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Information

- [Overview](#)
- [Application requirements](#)
- [Schedule](#)

Présentation

Skills

High level in Mathematics and Physics

Objectives

One of the objectives is to promote reflection and access to autonomy. You will benefit from research support in an exceptional scientific environment. International exposure. Master fundamental models, concepts, and notions of Mathematics and Physics. Analyze complex problems and be able to formulate solutions. Manage development tools and environments and be able to deploy software applications. Be able to work in a team. Be able to communicate orally and in writing in English and French.

Débouchés

Further Study Opportunities

Master of Education and Teaching Professions

Master in Mathematics

Master's in Mathematics
Engineering school
Master of Teaching Professions
Master of applied physics
Master's Degree in Engineering or Mechanical Engineering
Multidisciplinary Engineering School
Mechanical Engineering School
Engineering School specialized in Industrial Engineering or Industrial Logistics
Generalist Engineering School through Apprenticeship
Engineering Apprenticeship Program in Mechanical Engineering and Production
Engineering Apprenticeship Program in Materials and Mechanical Engineering
Engineering Apprenticeship Program in Industrial Engineering or Industrial Logistics
Engineering Apprenticeship Program in Energy Engineering
Engineering Apprenticeship Program in Sustainable Production Systems

Calendar

Start of programme (indicative date)
08/09/2026
End of programme (indicative date)
08/06/2027
Admission

Capacity

Available Places

35

Target Audience and Entry Requirements

Students with a good academic level in Mathematics and Physics

Période(s) de candidature

ParcourSup Platform

From January 19th to March 12th, 2026

Programme

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Mathématiques Fondamentales ■	6	Semestre 2	18	36				
Charger le détail								
Algèbre et arithmétique élémentaire ■	3	Semestre 1	9	18				
Charger le détail								
Algèbre linéaire 1 ■	6	Semestre 2	18	36				
Charger le détail								
Analyse 1 ■	6	Semestre 1	18	36				
Charger le détail								
Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
Compléments de Physique ■	2	Semestre 1		18				
Charger le détail								
Electrocinétique ■	3	Semestre 2	9	12	6			
Charger le détail								
Physique Générale ■	6	Semestre 1		42	12			
Charger le détail								
Mécanique Newtonienne 1 ■	3	Semestre 2	9	12	6			
Charger le détail								
De l'atome à la molécule	6	Semestre 1	18	24	12			

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
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Thermodynamique	6	Semestre 2	18	27	9			
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Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
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Méthodologie	6	Semestre 1		21	6			
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Anglais 2	4	Semestre 2		36				
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Anglais 1	3	Semestre 1		27				
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SPOC Sens critique - Sciences en sociétés	3	Semestre 1		27				
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[Charger le détail](#)

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
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Projet documentaire	3	Semestre 1			27			
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Stage observation	3	Semestre 2			27			
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[Charger le détail](#)

Fondements de l'informatique 2 - approfondissement python	6	Semestre 2	18	36				
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[Charger le détail](#)

Fondements de l'informatique 1 - initiation python	6	Semestre 1	18	36				
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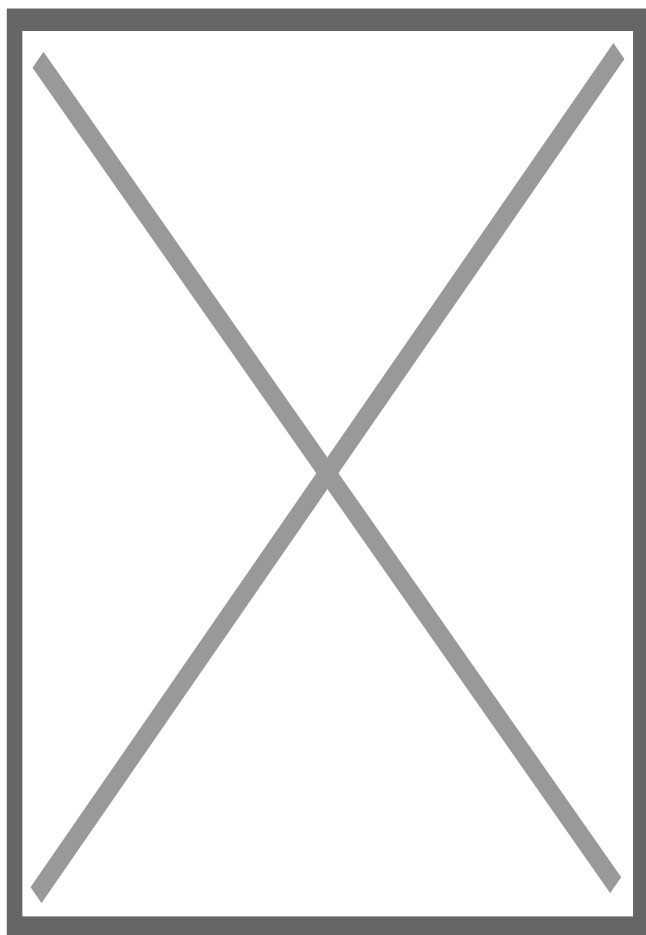
Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class
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Training campus

Javascript est requis pour visualiser cette carte.



Versailles

Versailles

Bus 8 - 10 - 13 - 105 - 108 - 471

Versailles Rive Droite - Ligne L

RER C Versailles Château Rive gauche

[Voir](#)

Student restaurant (CROUS)

Library

Student residence

Contact

- **Stéphanie BUIL**
- **Alexis DEVULDER**

<http://www.universite-paris-saclay.fr/formation/licence-double-diplome/mathematiques-physique-et-sciences-pour-ingenieur/ldd1-mathematiques-physique-et-applications-0>