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LDD3 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

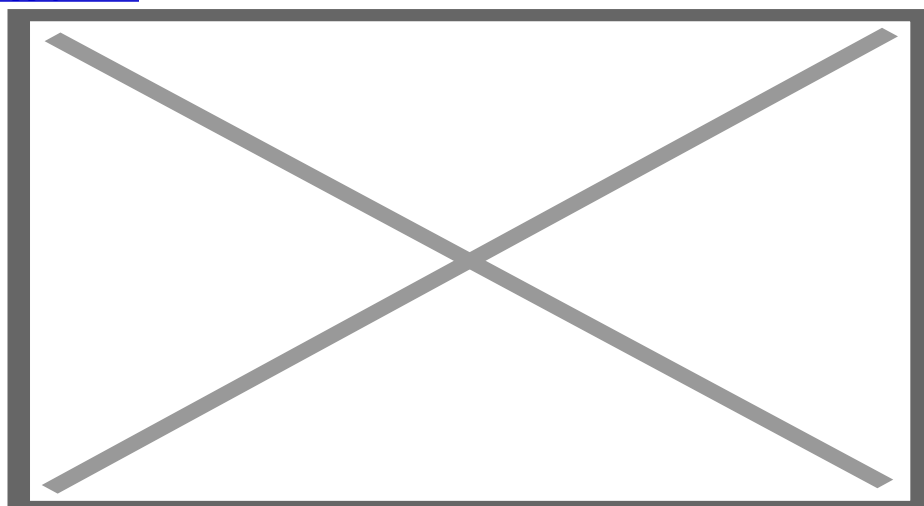
French

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

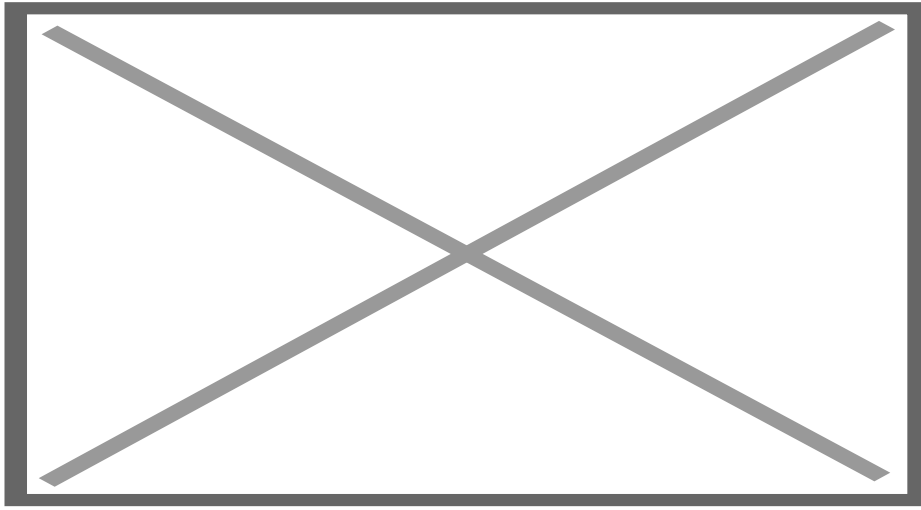
The DD MPSI offers progression from high school to Master's degree, allowing for progressive specialization. It provides solid training in both mathematics and physics. Balanced (1/3 mathematics, 1/3 physics, 1/3 cross-disciplinary projects and languages), it opens the doors for students to all master's degrees in mathematics, physics or engineering sciences and allows access to engineering schools (university competitive examinations). 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 academic 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 formulate solutions. Use development tools and environments and deploy software applications. Ability to work in a team. Ability to communicate orally and in writing in English and French.

Débouchés

Further Study Opportunities

Master's in Mathematics
Engineering school

Master of applied physics
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

Admission

Capacity

Available Places

36

Target Audience and Entry Requirements

Students from the first 2 years of the course or 2 years of CPGE or equivalent with a very good level in Mathematics and Physics

Période(s) de candidature

E-candidat Platform

From 01/05/2026 to 31/08/2026

Programme

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
Tronc commun									
Calcul intégral	6	Semestre 1	18	36					

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
Charger le détail									
Analyse complexe et analyse de Fourier	6	Semestre 2	18	36					
Charger le détail									
MMC-fluide 1	3	Semestre 1	12	15					
Charger le détail									
Topologie et bases de calcul différentiel	6	Semestre 1	18	36					
Charger le détail									
Option Mécanique									
Résistance des matériaux	3	Semestre 1	10	13	4				
Charger le détail									
MMC Elasticité	6	Semestre 2	24	27	3				
Charger le détail									
Option Physique									
Mécanique quantique 1	3	Semestre 1	12	15					
Charger le détail									
Physique statistique	6	Semestre 2	21	27	6				
Charger le détail									
Mécanique quantique 2	6	Semestre 2	27	27					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
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Tronc commun

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis lea co
1 UE au choix									
Optimisation et applications	6	Semestre 2	18	36					
Charger le détail									
Groupes et géométrie	6	Semestre 2	18	36					
Charger le détail									
UEs obligatoires									
Traitement du signal 1	3	Semestre 1	12	9	6				
Charger le détail									
Probabilités avancées	6	Semestre 2	18	36					
Charger le détail									
Option Physique									
Astronomie et planétologie	3	Semestre 2	12	9	6				
Charger le détail									
Optique physique	6	Semestre 1	18	24	12				
Charger le détail									
Option Mécanique									
Intro à la science des données	3	Semestre 2	12		15				
Charger le détail									
MMC-fluide 2	3	Semestre 1	6	12	9				
Charger le détail									
CAO	3	Semestre 2	9	12	6				
Charger le détail									
Elements finis	3	Semestre 2	11	12	4				

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis
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[Charger le détail](#)

Traitement du signal 2	3	Semestre 1	12	9	6				
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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	dis
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Anglais	4	Semestre 1		36					
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[Charger le détail](#)

Stage/projet	10	Annualisé			90				
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[Charger le détail](#)

Analyse numérique	6	Semestre 1	18	36					
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Teaching Location(s)

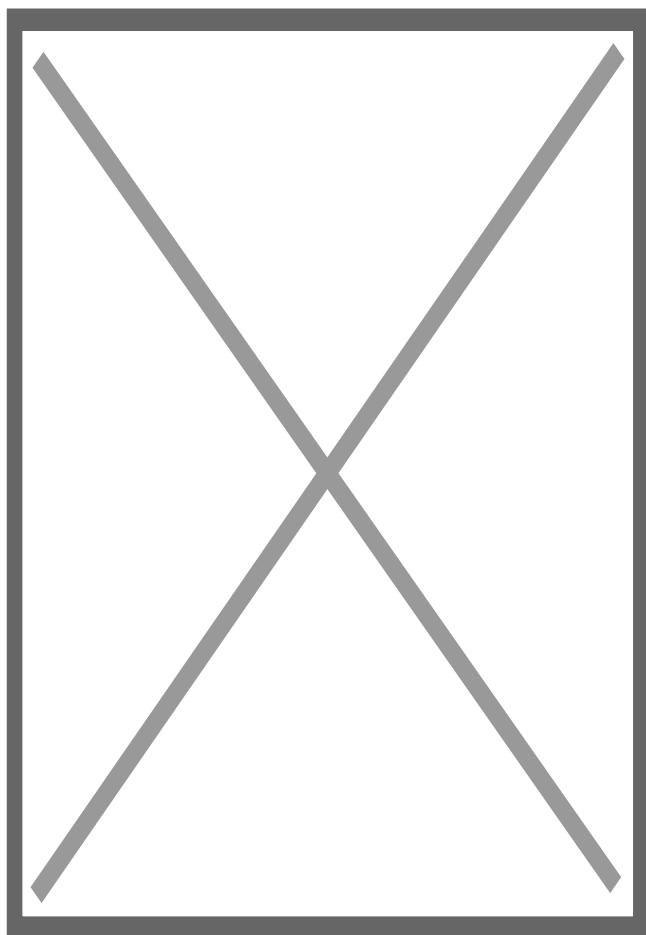
VERSAILLES

Programme

[Consulter le programme](#)

Training campus

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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/ldd3-mathematiques-physique-et-applications>