Université Paris-Saclay

Share

Email destinataire :

Vous devez renseigner un email valide

Envoyer

Une erreur est survenue. Merci de réessayer ultérieurement

Le mail de partage a bien été envoyé.

Add to Compare

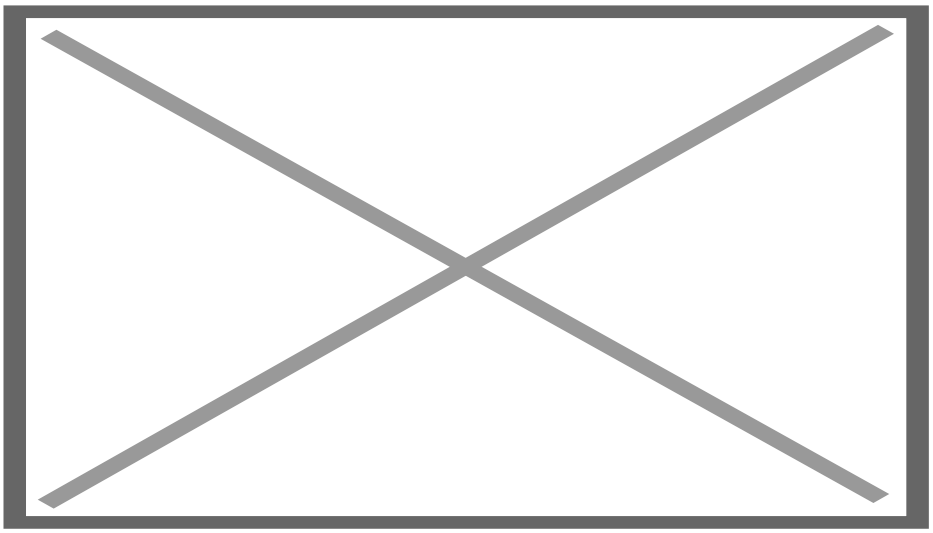
M1 Applied Mathematics - Site Evry

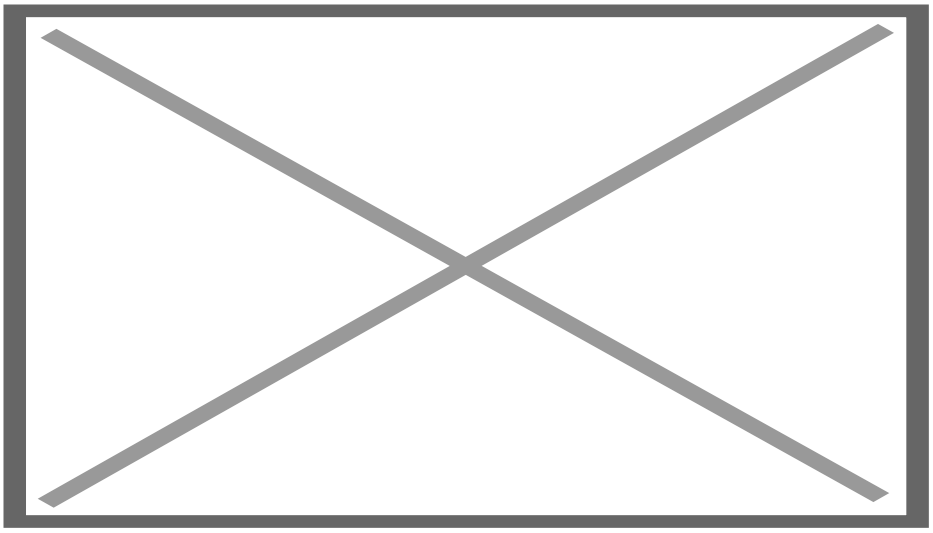
Master's degree
Specialisation Mathematics and applications
Enrolment type
Formation initiale
Language(s) of instruction
English
French

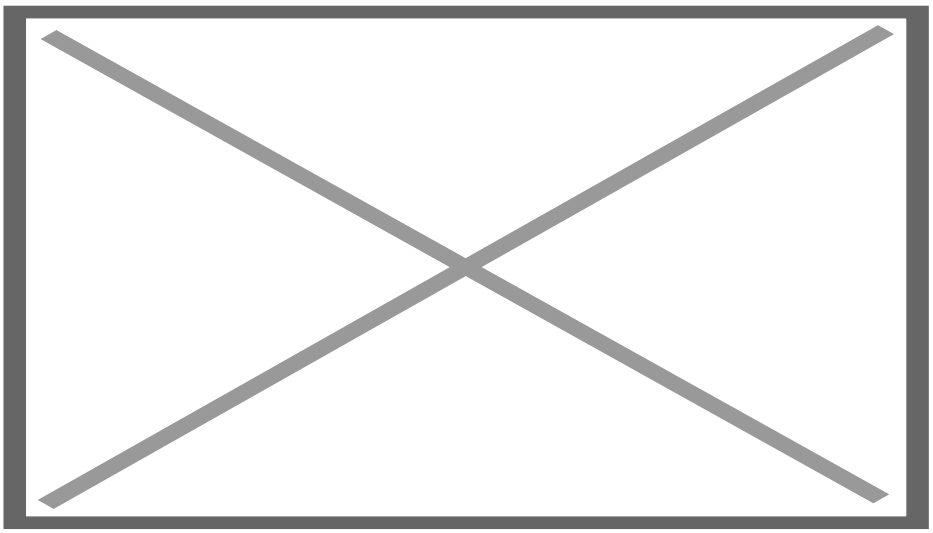
The M1’s program in Applied Mathematics offers advanced training in probability, stochastic processes, statistics, optimization, and functional analysis, while also including programming, foreign languages, and humanities. It prepares students to continue their studies in engineering schools or second-year Master’s programs, particularly in fields such as quantitative finance (e.g., M2 QF), data science, machine learning (M2 MVA, M2 Data Science, etc.), and optimisation.

The academic year is divided into two semesters, Semester 1 and Semester 2. Each semester consists of blocks of compulsory and elective course units.

Télécharger la fiche détaillée
Apply Now







Information

- Overview
- Application requirements
- Schedule

Présentation

Objectives

Provide solid foundations in the major areas of applied mathematics (scientific modeling and computing, probability, statistics, data sciences, optimization, etc.) with emphasis on both theoretical and practical aspects. Attention is also given to skills such as IT, English, communication, project management.

Calendar

Start of programme (indicative date)
01/09/2026
End of programme (indicative date)

31/08/2027
Admission

Admission Route

Mathematics

Capacity

Available Places

45

Target Audience and Entry Requirements

A solid BSc in mathematics: probability, statistiques, analysis... etc

Période(s) de candidature

Inception Platform

From 30/01/2026 to 24/07/2026

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 English level.

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	dis lea c
IT project and agile methodology	4	Semester 1	14	28					
Charger le détail									
Functional analysis	4	Semester 1	18	18					
Charger le détail									
Conferences and challenges	4	Semester 1							
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	
Operations Research	4	Semester 1	21	21					
Charger le détail									
Advanced programming and project	4	Semester 1	24.5		17.5				
Charger le détail									
Stochastic processes	4	Semester 1	21	21					
Charger le détail									
Generalised linear models and extentions	4	Semester 1	10.5		31.5				
Charger le détail									
Languages and communication	3	Semester 1	42						
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	
Economics and management	3	Semester 1	42						
Charger le détail									
Data analysis	4	Semester 1	21	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
Simulation Methods	4	Semester 2	21		21				
Charger le détail									
Stochastic calculus	4	Semester 2	30	12					
Charger le détail									
Introduction to research	4	Semester 2	12.5	29.5					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dist lea co
Financial Models and Instruments	4	Semester 2	42						
Charger le détail									
Statistical Modeling and Learning	4	Semester 2	21	21					
Charger le détail									
PDE Analysis	4	Semester 2	21	14	7				
Charger le détail									
Advanced operations research	4	Semester 2	24.5	17.5					
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distan learn cour
Internship	10	Semester 2							

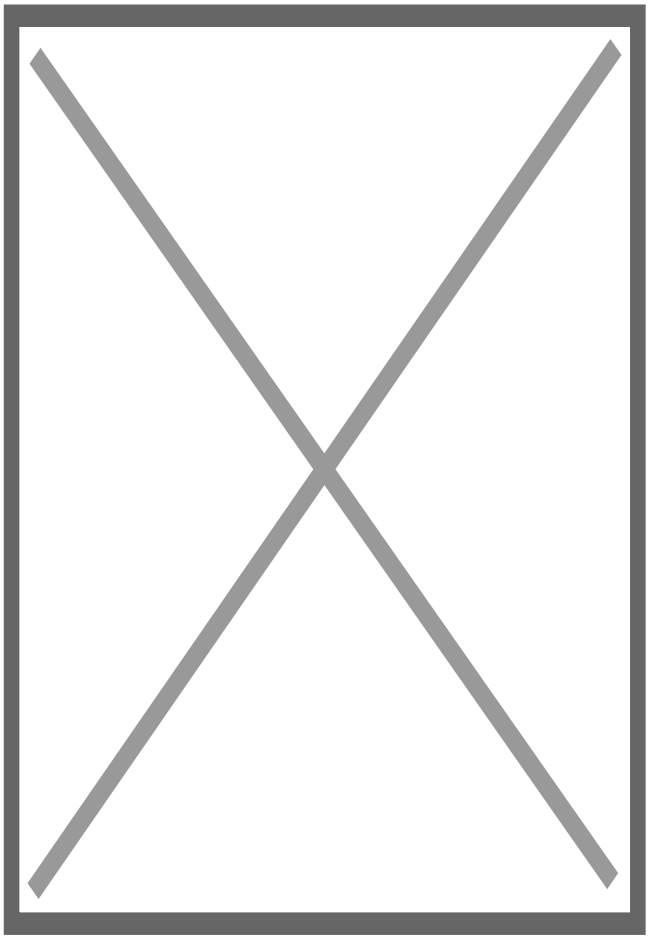
Charger le détail

Teaching Location(s)

EVRY

Training campus

Javascript est requis pour visualiser cette carte.



Evry

Evry
Bus 9105, 4504
RER D Evry Courcouronnes
Voir
Student restaurant (CROUS)
Library
Student residence
Sports facilities

Contact

- **Vathana LY VATH**
- **Sergio PULIDO**

http://www.universite-paris-saclay.fr/formation/master/mathematiques-et-applications/m1-mathematiques-appliquees-site-evry