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M1 Applied Mathematics - Site Evry

Master's degree

Specialisation Mathematics and applications

Language(s) of instruction

English

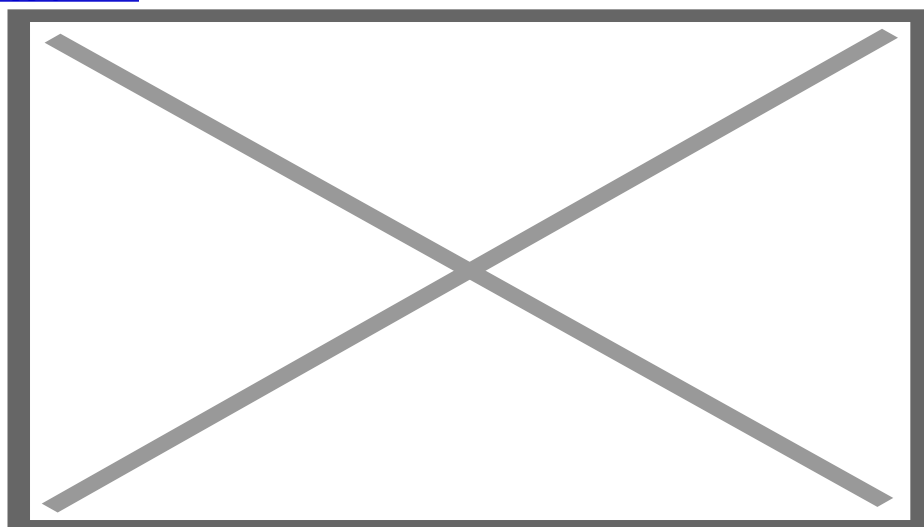
French

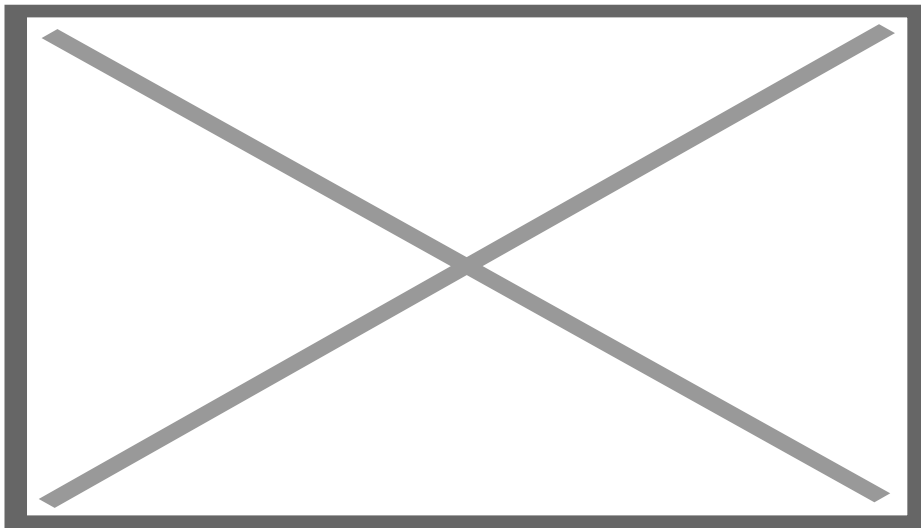
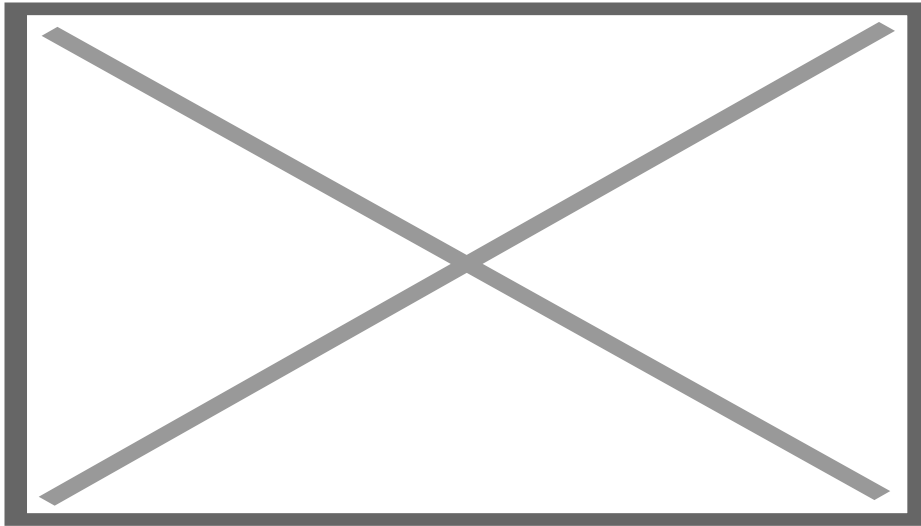
The M1's program in Applied Mathematics offers advanced training in probability, stochastic processes, statistics, optimization, and functional analysis, while also including programming, foreign languages, and humanities. It prepares students to continue their studies in engineering schools or second-year 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.

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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

UE à choix

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dis
IT project and agile methodology	4	Semester 1	14	28					c
Charger le détail									
Functional analysis	4	Semestre 1	18	18					
Charger le détail									
Conferences and challenges	4	Semester 1							
Charger le détail									

Tronc commun

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	c
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						

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

Economics and management	3	Semester 1	42						
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[Charger le détail](#)

Data analysis	4	Semestre 1	21	21					
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[Charger le détail](#)

Tronc commun

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	directed study/practical class
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Simulation Methods	4	Semester 2	21		21				
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Stochastic calculus	4	Semester 2	30	12					
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[Charger le détail](#)

Introduction to research	4	Semester 2	12.5	29.5					
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UEs à choix

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	directed study/practical class
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Financial Models and Instruments	4	Semester 2	42						
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Statistical Modeling and Learning	4	Semestre 2	21	21					
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PDE Analysis	4	Semester 2	21	14	7				
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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	distance learning
Advanced operations research	4	Semester 2	24.5	17.5					

[Charger le détail](#)

Internship

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	distance learning
Internship	10	Semestre 2							

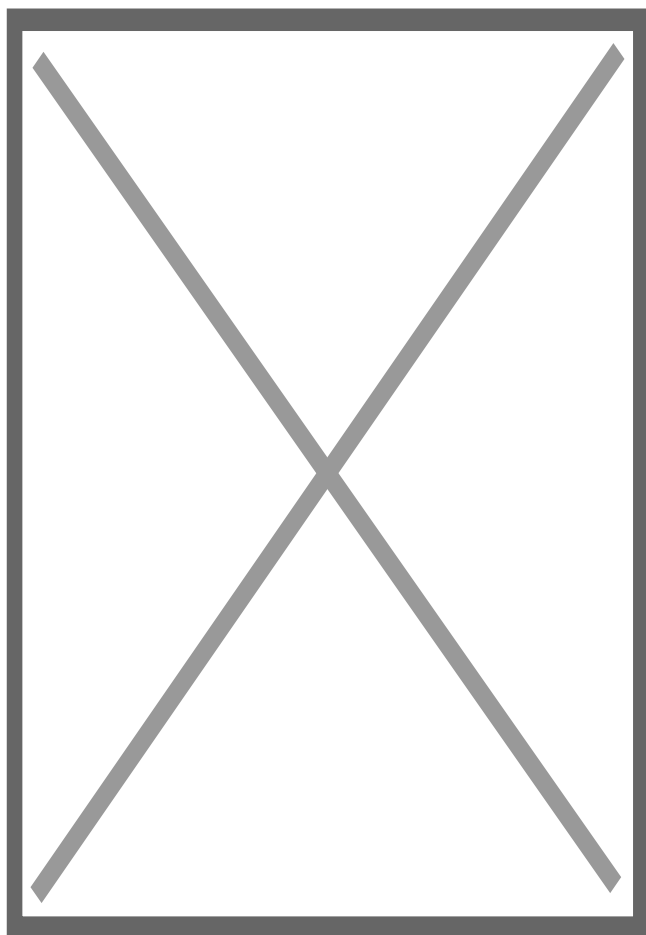
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Teaching Location(s)

EVRY

Training campus

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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>