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

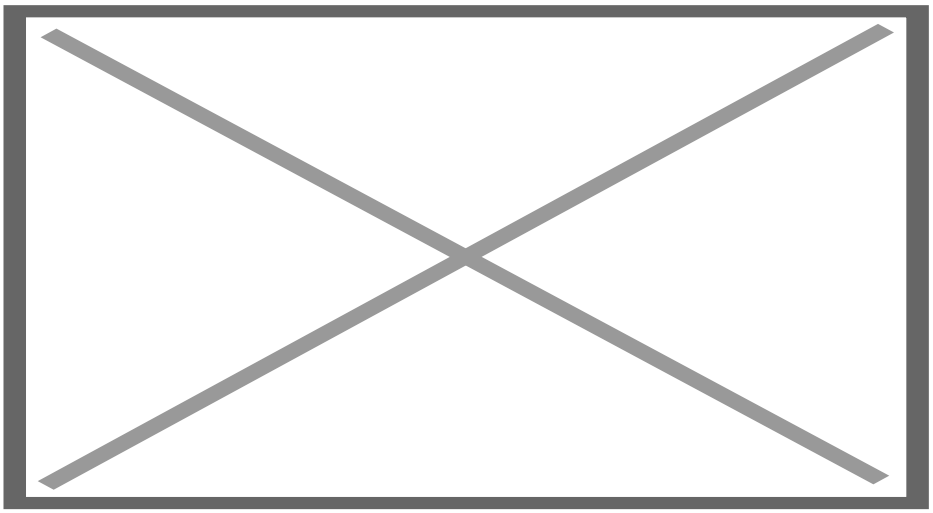
M2 Quantitative Finance

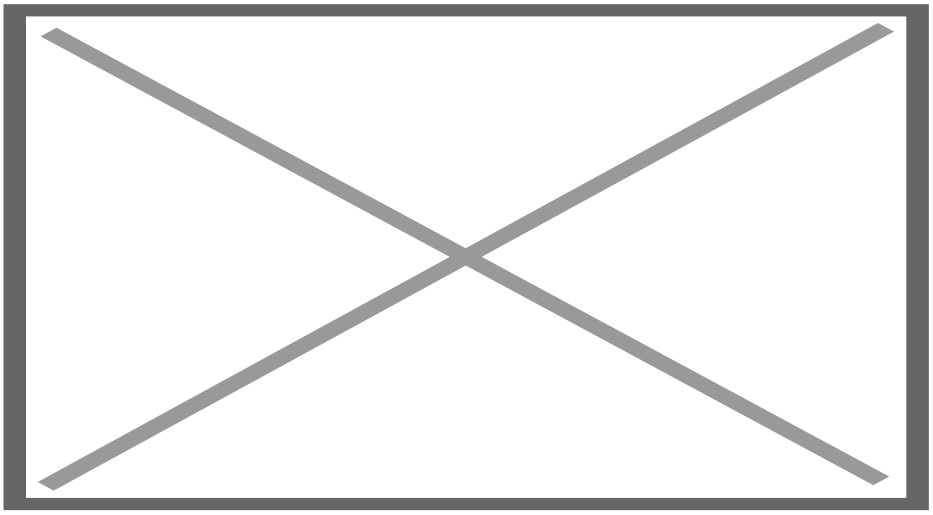
Master's degree
Specialisation Mathematics and applications
Enrolment type
Formation initiale
Formation continue
Language(s) of instruction
English
French

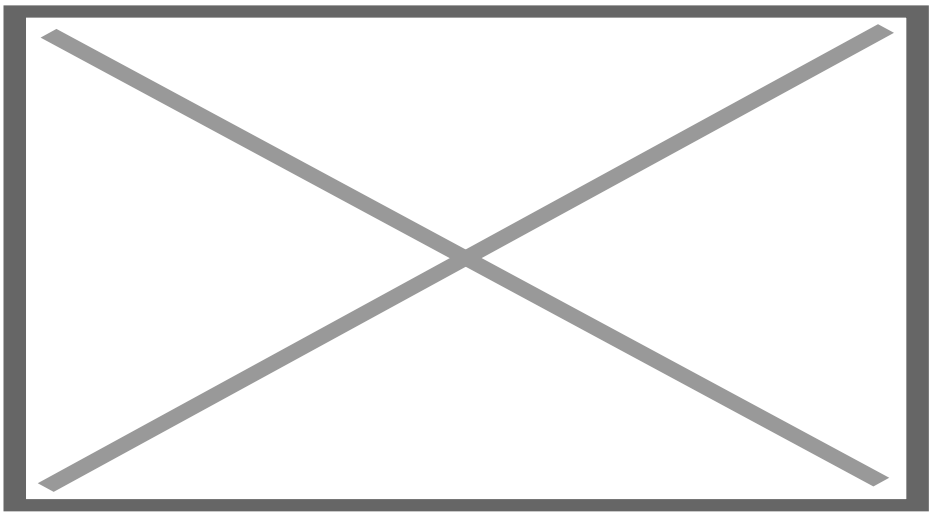
The Master’s in Quantitative Finance at Université Paris-Saclay trains specialists in financial modeling, risk management, and derivatives valuation. Combining theory and practice, the program emphasizes advanced numerical methods, as well as machine learning and deep learning applied to finance. Students acquire the skills to become quants, prepared for careers in financial markets, asset management, or academic research.

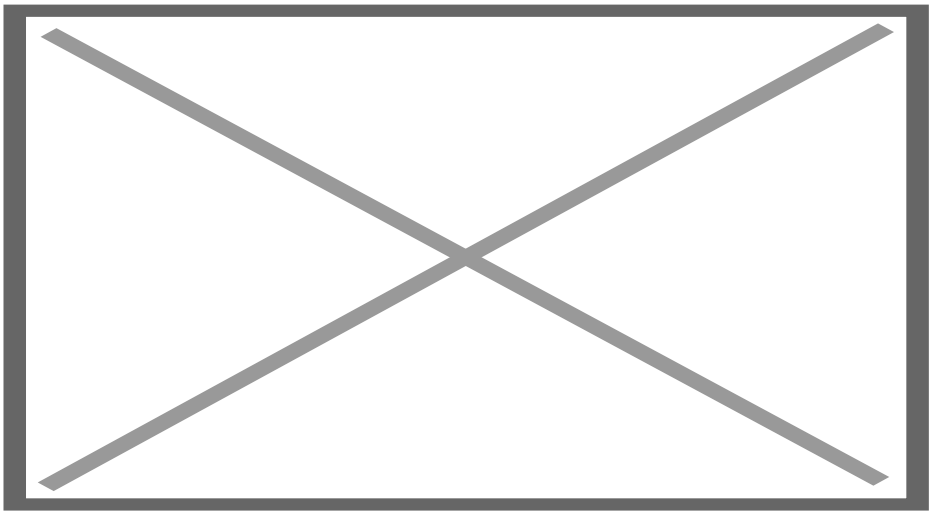
The Master’s in Quantitative Finance is a one-year program combining advanced theoretical courses, applied teaching, and practical projects. The first semester focuses on core topics in modeling, numerical methods, and machine learning. The second semester is dedicated to an internship in industry or a research lab, enabling students to apply their skills and prepare for careers in quantitative finance or for pursuing a PhD.

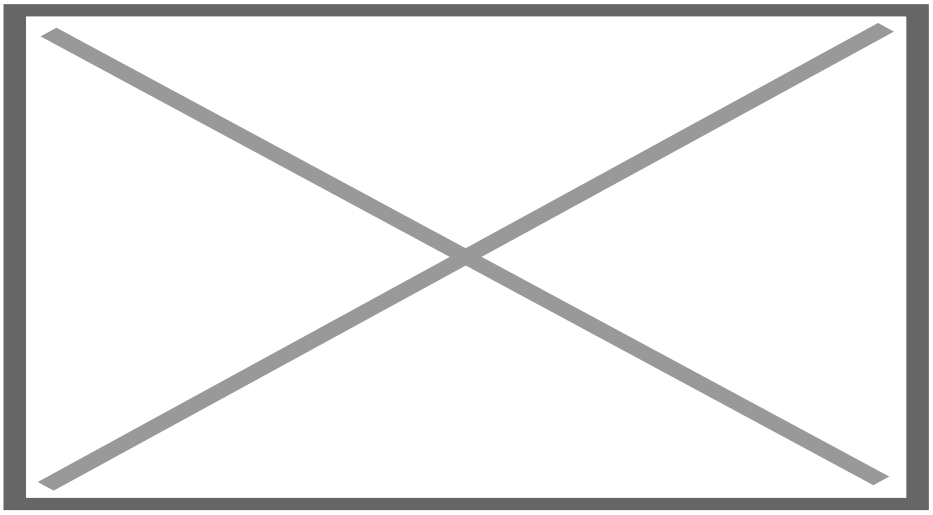
Télécharger la fiche détaillée
Apply Now











Information

- Overview
- Application requirements
- Schedule

Présentation

Objectives

M2QF brings to high level scientific students an invaluable expertise in the field of quantitative finance, considered from the points of view of mathematics (probability and statistics, computational methods) and data science. Job opportunities after the master program: quantitative analyst, risk manager, IT quant, insurance, data scientist for finance, PhD thesis in quantitative finance,...

Admission

Capacity

Available Places

30

Target Audience and Entry Requirements

Good M1-level (or equivalent) competence in probability and statistics, market finance, programming (in C, Python)

Période(s) de candidature

Inception Platform

From 30/01/2026 to 30/06/2026

Supporting documents

Compulsory supporting documents

Motivation letter.

All transcripts of the years / semesters validated since the high school diploma at the date of application.

Curriculum Vitae.

Additional supporting documents

Certificate of English level.

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	c
Derivative Instruments	4	Semester 2	47						
Charger le détail									
Particle system, Mean field games and applications to machine learning and finance	4	Semester 2	21	21					

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	
Charger le détail									
Stochastic control and corporate finance and insurance modeling	4	Semester 2	42						
Charger le détail									
Cutting edge finance	4	Semestre 2		64					
Charger le détail									
Sustainable finance and asset management	2	Semester 2	24						
Charger le détail									
Machine learning techniques in finance	2	Semester 2	21						
Charger le détail									
High frequency data and order books	2	Semester 2	24						
Charger le détail									
XVAs and regulations	2	Semester 2	22.5						
Charger le détail									
Approximation of processes	2	Semester 2	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
Professional Internship	15	Semester 2							
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dist lea co
TOEIC preparation	2	Semester 2		25					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dista learn cou
IT Project	3	Semester 1	2	10					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	dista learn cou
Numerical finance and models calibration	6	Semester 1	42						

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d
Deep learning	3	Semester 1	21						

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d
Programmation informatique	6	Semestre 1	18	24					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d
Interest rate modeling	3	Semester 1	21						

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d
Financial markets and actuarial finance	3	Semester 1	14	6.5					

Charger le détail

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	d
Machine Learning	6	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	d
Stochastic calculus	6	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
Financial econometrics Charger le détail	3	Semester 1	15	10				
Finance of insurance Charger le détail	3	Semester 1	36					
Risk management Charger le détail	6	Semester 1	36	15				

Teaching Location(s)

EVRY

Contact

- **Ahmed Kebaier**

  PR

http://www.universite-paris-saclay.fr/formation/master/mathematiques-et-applications/m2-finance-quantitative