Université Paris-Saclay
Mathématiques
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Mathematics and applications

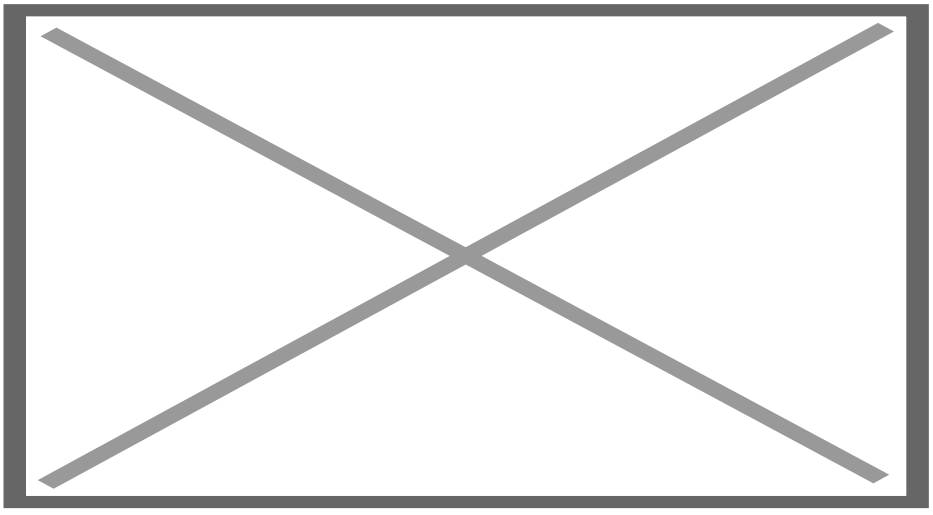
Master's degree
Language(s) of instruction
English
French

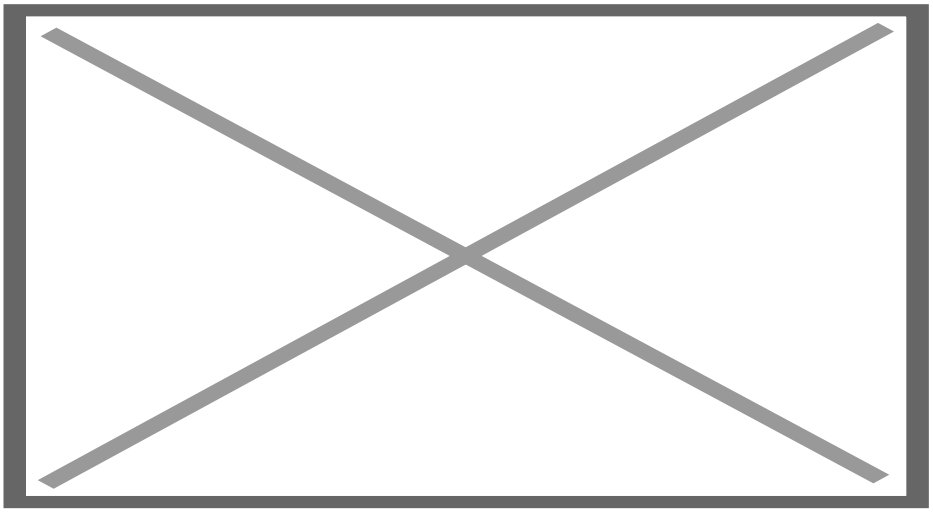
The master program *Mathematics and Application* gathers all the graduate studies offered in mathematics at Paris Saclay university. A very wide of spectrum of mathematics is covered, from pure to applied mathematics. The main tracks within this degree enjoy strong international recognition.

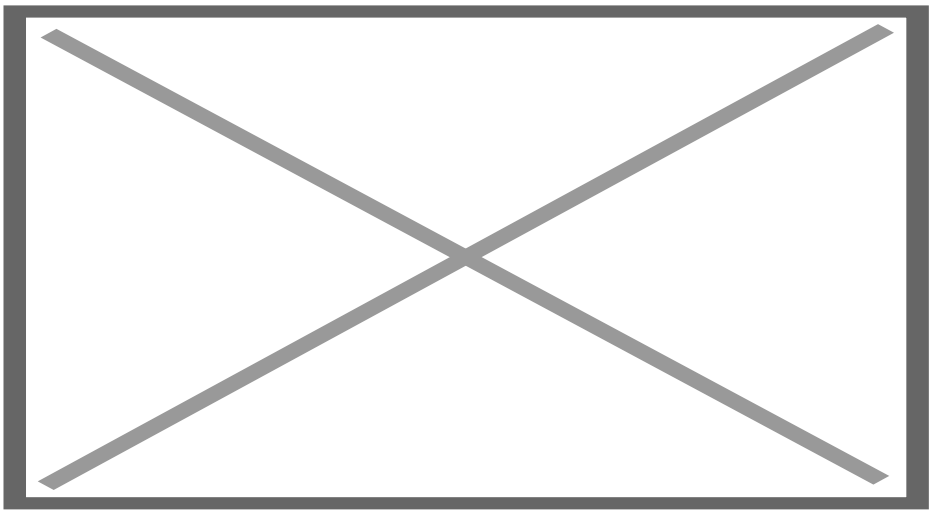
Jacques Hadamard International Program: Université Paris Saclay warmly welcome international students to the *Jacques Hadamard - Orsay* track. Within the M1 *Jacques Hadamard* program, a wide range of courses taught in English are offered. The courses are listed by theme on the webpage [link], and students may select any number of courses within each theme — from none to all. The students may also attend to some other courses from the M1 Jacques Hadamard program, although these are taught in French. The second year of the master program offers an extensive selection of courses taught in English, covering a broad spectrum of mathematical disciplines.

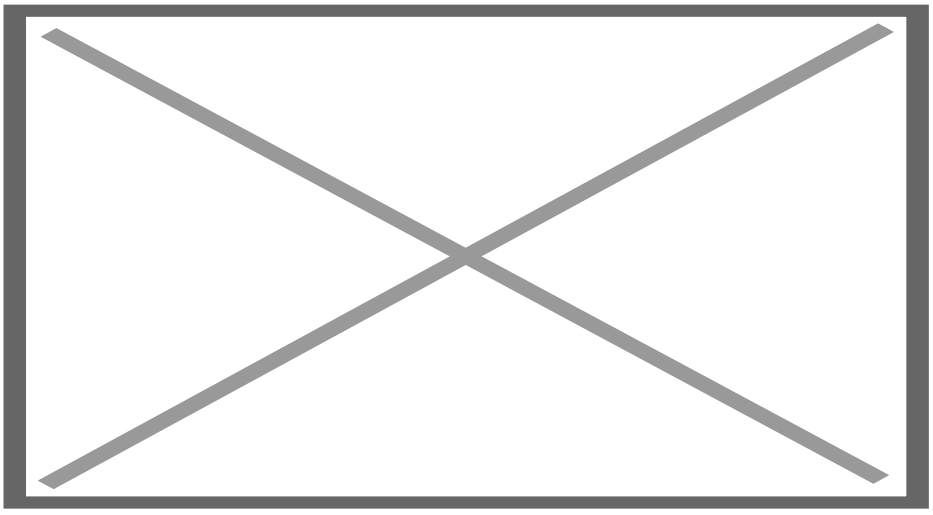
An exceptional education and research environment :
- An area of excellence with 11 Fields medals, 3 Abel prizes, and 4 Wolf prizes
- 50% of Master's students choose to pursue a PhD
- Excellent professional integration

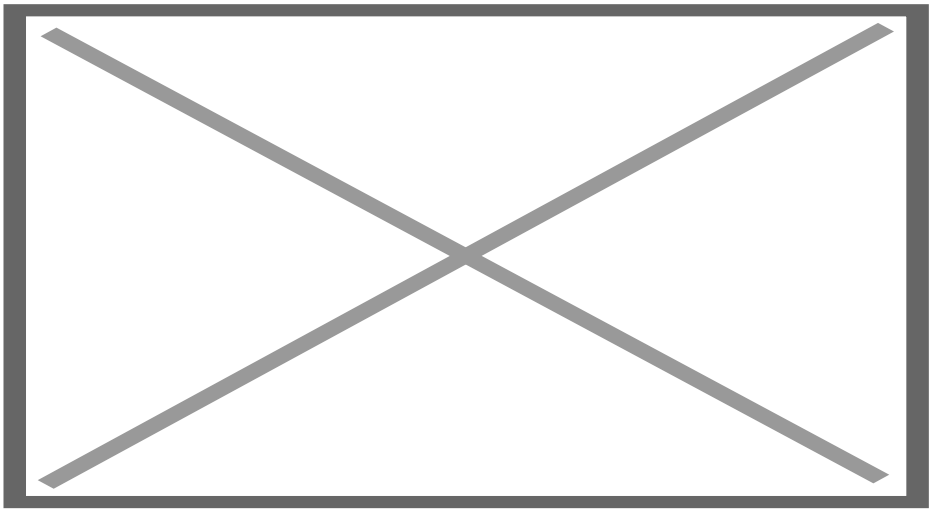
Télécharger la fiche détaillée











Information

- List of Pathways
- Overview
- Application requirements

Liste parcours

Master’s Year 1

M1 Algèbre Appliquée et Cryptologie
Add to Compare
M1 Analyse, Modélisation, Simulation
Add to Compare
M1 Applied Mathematics - Site Evry
Add to Compare
M1 Ingénierie Statistique, Actuariat et Data Science (ISADS)
Add to Compare
M1 Mathématiques appliquées - Site Orsay
Add to Compare
M1 Mathématiques et Apprentissage Statistique
Add to Compare
M1 Mathématiques et Intelligence Artificielle
Add to Compare
M1 Mathématiques et interactions - Site Evry
Add to Compare
M1 Mathématiques fondamentales et applications
Add to Compare
M1 Parcours Jacques Hadamard - site ENS Paris-Saclay
Add to Compare

M1 program J.Hadamard, Mathematics (Orsay)
Add to Compare

Master’s Year 2

M2 Algèbre Appliquée et Cryptologie
Add to Compare
M2 Analysis, Arithmetic, and Geometry
Add to Compare
M2 Analysis, Modeling, Simulation
Add to Compare
M2 Data Science : Health, Insurance and Finance - apprentissage
Add to Compare
M2 Data Science : Health, Insurance and Finance
Add to Compare
M2 Formation à l'enseignement supérieur en Mathématique - Site ENS Paris-Saclay
Add to Compare
M2 Formation à l'enseignement supérieur en Mathématique - Site Orsay
Add to Compare
M2 Ingénierie Statistique, Actuariat et Data Science
Add to Compare
M2 Mathematics and Artificial Intelligence
Add to Compare
M2 Mathematics of Randomness
Add to Compare
M2 Mathematics, Vision, Learning
Add to Compare
M2 Mathématiques et Apprentissage Statistique
Add to Compare
M2 Mathématiques pour les sciences du vivant
Add to Compare
M2 Optimization
Add to Compare
M2 Program J.Hadamard, Mathematics (Orsay)
Add to Compare
M2 Quantitative Finance
Add to Compare
Présentation
Fiche nationale du Répertoire National des Certifications Professionnelles (RNCP)

Learning outcome targets

An exceptional education and research environment

• 12 tracks in Master 1 (first year) and 15 in Master 2 (second year) covering the entire spectrum of fundamental and applied mathematics

• 750 Master students per year

• 50% of Master's students on average choose to pursue a PhD

• Excellent professional integration

• An area of excellence with 13 Fields medals, 3 Abel prizes, and 4 Wolf prizes

• The Paris-Saclay university covers a large geographical area in the south of Paris (Orsay, Gif-sur-Yvette, Palaiseau, Bures-sur-Yvette, Versailles, Evry) and includes 13 establishments, with 15 scientific research laboratories, supported by research organizations such as the CNRS, INRIA, INRAE and the CEA. The international recognition of the mathematical community of the Université Paris-Saclay makes this place one of the best destinations in the world for young talents in search of a high-level mathematical education.

The wide spectrum of the "Mathematics and Applications" master's degree is made possible, thanks to the joint offer of the Université Paris-Saclay and the Institut Polytechnique de Paris. The diversity of the M1 (first year) and M2 (second year) is based on the specificities of the 15 laboratories and covers the entire spectrum of fundamental and applied mathematics.

Débouchés

Career prospects

After a Master's or Master's + PhD: engineer (R&D, control, production, etc.)
After a Master's or Master's + PhD: researcher or lecturer
After a Master's or Master's + PhD: engineer (research and development, control, production, etc.) in the fields of health, pharmaceuticals, agri-food, biotechnologies, instruments and reagents, cosmetics, pollution control and the environment.
After a Master's or Master's + PhD: engineer (Research & Development, control, production, etc.)
After a Master’s degree: Engineer (financial analyst, economist, statistician)
After a Master's degree: Data scientist
After a Master’s degree: Artificial intelligence (AI) specialist
After a Master’s degree: Research analyst
design study engineer
Design engineer industry / public research
Research & Development Engineer
Secondary school teacher
Admission

Target audience

Bachelor in Mathematics, with outstanding results

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