Université Paris-Saclay

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M1 Artificial Intelligence

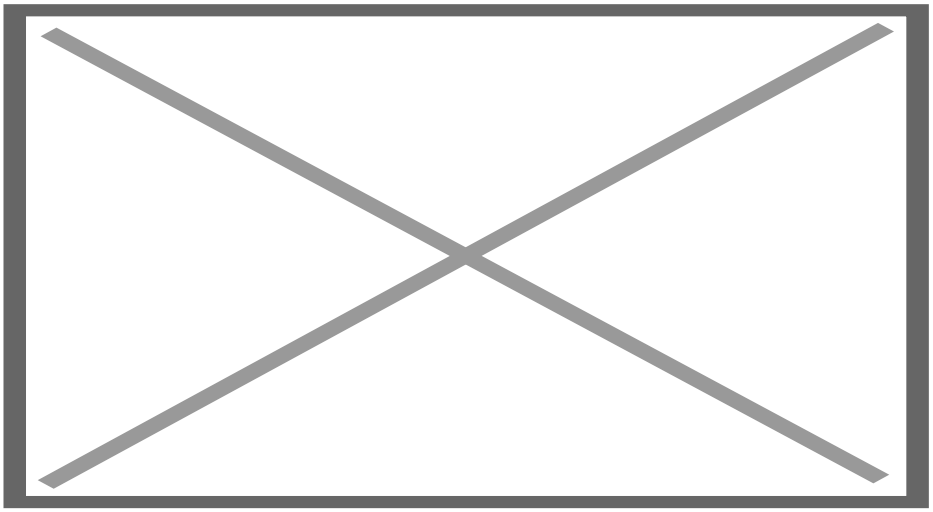
Master's degree
Specialisation Computer Science
Enrolment type
Formation initiale
Formation continue
Language(s) of instruction
English

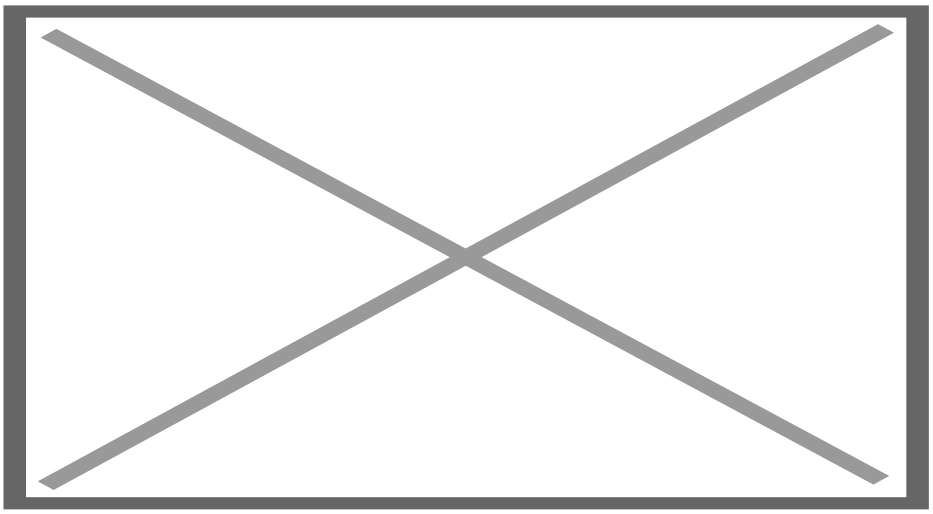
As AI transforms industries, this Master’s in Artificial Intelligence offers practical training in machine learning, deep learning, NLP, reinforcement learning, and advanced topics, such as generative models, frugal AI, and scientific ML. With a strong focus on applications, ethics, and bias mitigation, it prepares graduates for careers in research, industry, and entrepreneurship. **Please consult the program website (https://ai-master.lisn.fr/) before applying or contacting us.**

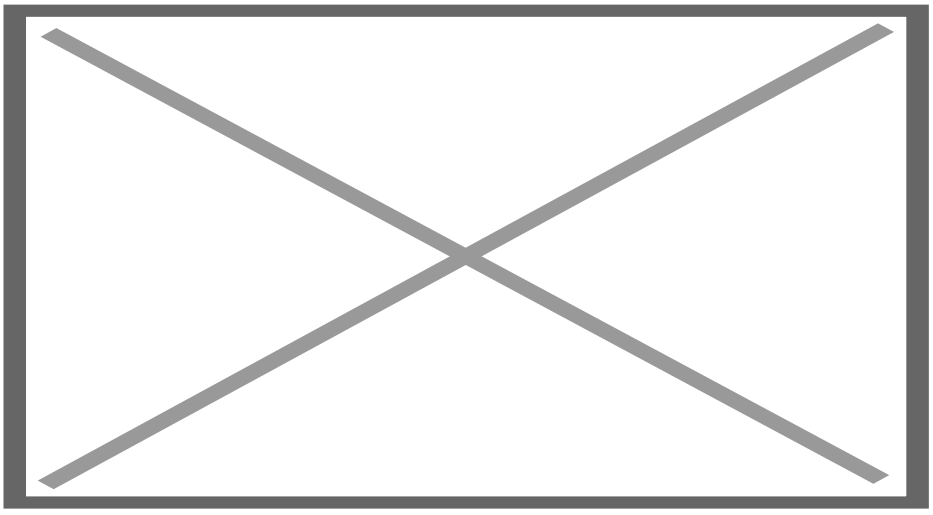
As AI continues to revolutionize industries across the globe, this Master's in Artificial Intelligence provides an advanced, hands-on approach to the core areas of AI and Machine Learning, preparing students for the latest challenges in the field. The program covers a comprehensive range of topics—from statistical learning and machine learning to subfields like deep learning, natural language processing (NLP), and reinforcement learning.

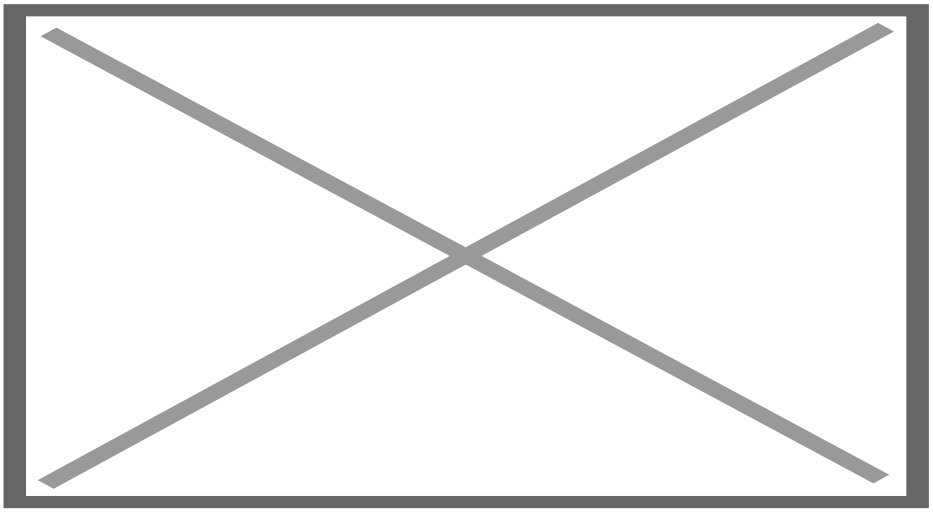
By integrating state-of-the-art techniques, such as generative models, frugal AI, and scientific machine learning, students are not only trained in the theoretical underpinnings of AI, but also gain real-world skills applicable to research, industry, and entrepreneurship. The program’s emphasis on practical implementation, along with courses on AI ethics and bias mitigation, ensures graduates are equipped to tackle the complex, evolving landscape of modern AI.

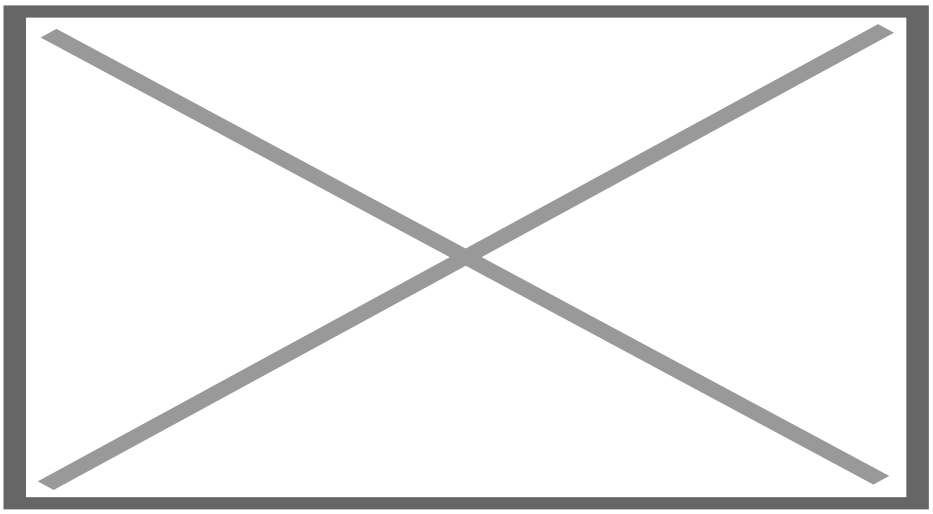
Télécharger la fiche détaillée
Apply Now











Information

- Overview
- Application requirements
- Schedule

Présentation

Skills

Graduates of this program will be able to:

• Build and deploy machine learning and deep learning models across diverse domains.

• Implement advanced AI techniques, including generative models and reinforcement learning, with modern frameworks.

• Analyze and visualize complex datasets to support data-driven decisions.

• Apply principles of ethical, fair, and responsible AI in real-world contexts.

• Design AI solutions for industries, such as healthcare, finance, autonomous systems, and natural language processing.

• Demonstrate critical perspective on the history and evolution of AI, linking foundational ideas to current advancements.

Objectives

- Provide a deep understanding of machine learning, optimization, and statistical modeling techniques.
- Equip students with practical experience in AI implementation using tools like scikit-learn, TensorFlow, and PyTorch.
- Foster expertise in specialized areas such as natural language processing (NLP), reinforcement learning, generative models, and AI safety.
- Cultivate skills to address the ethical challenges of AI, including issues related to fairness, bias, and transparency.
- Prepare graduates for leadership roles in AI research, innovation, and deployment, across academia, industry, and startups.

Débouchés

Career prospects

After a Master's + PhD: researcher or lecturer
Consulting
Design Engineer
Research or Design Engineer
Design Engineer
Research Engineer
Development Engineer
Data scientist
Development engineer
Consultant

Further Study Opportunities

fields of statistical learning, artificial intelligence and advanced data analysis

Data Scientist, Data Analyst, Ingénieur·e en Machine Learning dans des secteurs innovants (tech, finance, santé, énergie, etc.) ; 2nd year Master’s

Calendar

Start of programme (indicative date)
31/08/2026
Admission

Admission Route

Computer Science
Mathematics
Physics

Capacity

Available Places

25

Target Audience and Entry Requirements

This course requires good bases in mathematics and computer science:
• Probability and statistics
• Linear algebra
• (optional) Differential and integral calculus
• Scientific programming
• Visualization of the data

Période(s) de candidature

Inception Platform

From 15/01/2026 to 16/03/2026

MonMaster Platform

From February 17th to March 16th, 2026

To find out which platform you should apply through, please see the Masters' applications and enrolment page.

Supporting documents

Compulsory supporting documents

List of post-secondary school studies mentioning exclusively the year, course, institution, average grade and your grade or distinction.

Course selection sheet.

https://cirrus.universite-paris-saclay.fr/s/jDS4JG5znqpeqRi

Copy of passport.

Motivation letter.

Letter of recommendation or internship evaluation.

Document at your convenience.

List of applications for other tracks, in particular in the Paris-Saclay computer science master's program, in order of preference.

Completed questionnaire (to download on the master's web page).

Auto-evaluation form to be downloaded from https://ai-master.lisn.fr/

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

Certificate of English level (compulsory for non-English speakers).

Proof of English level B2 or an official statement by university that the bachelor education was entirely in English

Curriculum Vitae.

Additional supporting documents

GMAT / GRE test results.

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/practica class
[AI] Hands-on Natural Language Processing	3	Semestre 2	10.5	10.5				
Charger le détail								
[AI] Machine Learning Basics 2	3	Semestre 2	15	6				
Charger le détail								
[AI] OPTIMIZATION	3	Semestre 1	12	4.5	4.5			
Charger le détail								
[AI] DEEP LEARNING	3	Semestre 2	10.5	10.5				
Charger le détail								
[AI] APPLIED STATISTICS	3	Semester 1	10.5	10.5				
Charger le détail								
[DKAI] Data Camp - IPP	3	Semestre 1						
Charger le détail								
[AI] Machine Learning Basics 1	3	Semestre 1						
Charger le détail								
[AI] Hands on machine learning with scikitlearn	3	Semestre 1	9	12				
Charger le détail								
[AI] Speech and Language Processing	3	Semestre 2	10.5	10.5				

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practica class
Charger le détail Creation of AI challenge	3	Semester 2						
Charger le détail [AI] Signal Processing	3	Semester 2						
Charger le détail								

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di le
UEs d'ouverture obligatoires									
[DKAI] Mathematics for Data Science	3	Semestre 1	10.5	10.5					
Charger le détail									
UE optionnelle à choix									
[DKAI] Exploring Data Declaratively: Constraints and Patterns	3	Semester 1	12	3	6				
Charger le détail									
[HCI] Interactive Machine Learning	3	Semester 2	10.5	10.5					
Charger le détail									
[M1 DiPaQ] Calcul haute performance sur architectures multicœurs	3	Semester 1	10.5		10.5				
Charger le détail									
[DKAI] Foundations of Agent-based systems	3	Semestre 1	9	8	4				

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practical class	di le
Charger le détail									

Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practic class
1 UE Soft Skill à choisir								
Innovation et Entreprenariat	3	Semester 2	10.5	10.5				
Charger le détail								
Impacts Environnementaux du numérique	3	Semester 2	10.5	10.5				
Charger le détail								
CAD design for 3D printing	3	Semestre 2	10.5	10.5				
Charger le détail								
The art of fabricating tangible surfaces	3	Semestre 2	10.5	10.5				
Charger le détail								
History and Societal Impact of AI	3	Semestre 1	10.5	10.5				
Charger le détail								
UE libre ou langue								
History and Societal Impact of AI	3	Semestre 1	10.5	10.5				
Charger le détail								
Français langue étrangère	3	Semester 2	10.5	10.5				
Charger le détail								
Anglais	3	Semester 2	10.5	10.5				
Charger le détail								
UE libre	3	Semestre 2						
Charger le détail								

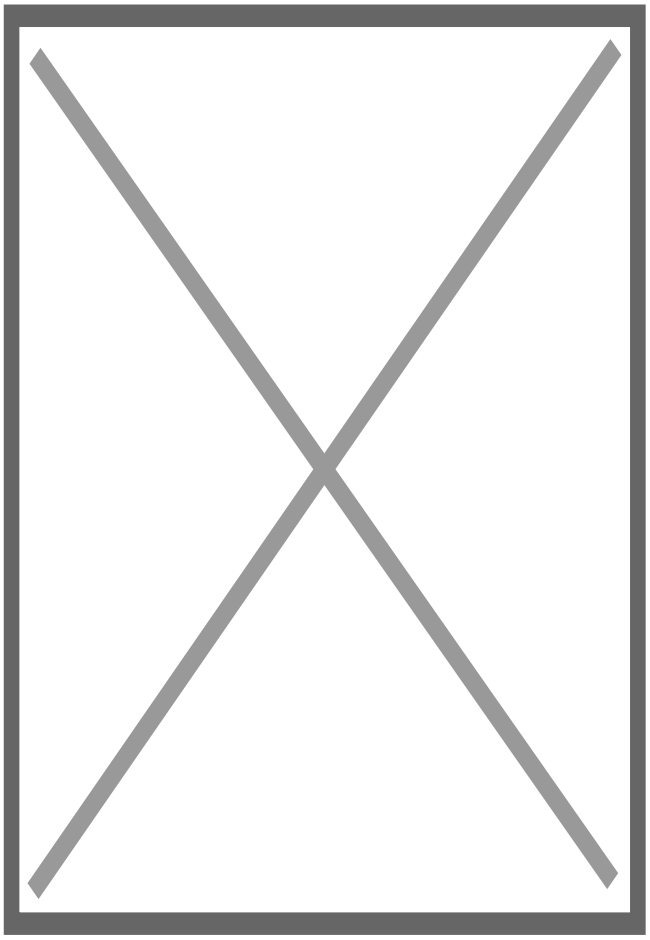
Subjects	ECTS	Semester	Lecture	directed study	practical class	Lecture/directed study	Lecture/practical class	directed study/practic class
UE obligatoires								
TER - Travail d'Etude et de Recherche Charger le détail	6	Semester 2			21			
Ecole thématique/Stage Charger le détail	6	Semestre 2						

Teaching Location(s)

ORSAY
GIF SUR YVETTE

Training campus

Javascript est requis pour visualiser cette carte.



Orsay Bures

Orsay / Bures-sur-Yvette
Bus 4607, 4626
RER B Orsay ville ou Bures-sur-Yvette
Voir
Library
Community center

Contact

- **Nona NADERI**

http://www.universite-paris-saclay.fr/formation/master/informatique/m1-artificial-intelligence