



- Endorsed by French & international companies
- A combination of mathematics & programming



- Learning through doing
- Multi-cultural educational environment
- Accredited by the CGE (Conférence des Grandes Écoles)



In Paris







18 month

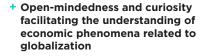
STAY IN TOUCH with us

2 Intakes Sept/Marc

MASTER of Science

in Artificial Intelligence Systems

The Master of Science in Artificial Intelligence Systems program provides high-level executives with high employability rate in the fields of Artificial Intelligence and Data Science with broad professional skills, both scientific and technological, as well as management and business acumen.



- + French socio-economic and socio-professional culture,
- + Ability to present and defend a project in a variety of complex contexts

rogram

Semester 1 (S1)	Semester 2 (S2)	Semester 3 (S3)	Semester 4 (S4)
Foundation	Core	Excellence	Internship
30 ECTS	30 ECTS	30 ECTS	30 ECTS
12 Months			6 Months
On Campus			In a Company

Learning Objectives

The heart of this training program is to train international and French graduates in solving complex problems using methods, techniques, and tools of artificial intelligence by gaining a solid background in mathematics and programming skills.



- **▶** Data Scientist
- ▶ Data Engineer
- ► Al Project Manager
- Al Coach
- ► Al Solution
- Architecture
- Data Knowledge Miner
- ► Data Architect
- Machine Learning Engineer
- ► Features Engineer



Average salary: **45**K€ gross

annually

Internship salary: 1500-2000€ monthly

Application

Requirements

- ▶ 4-year bachelor's degree or higher
- ► 3-year bachelor's degree with significant experience

Fees

Tuition fees: 18 000 €Application fees: 60 €

Deadline



31st of July (September Intake) 15th of January (March Intake)

Procedure



APPLY ONLINE

www.epita.fr/en



Validation of the candidacy



2 Online interview



Online scientific assessment (Math, Programming & Algorithms)



4 Admission results



Status of an application is communicated by email during each phase of the procedure.

Checklist



- ► Resume
- ► Passport
- ► Official university transcripts
- Certified copy of the bachelor's degree certificate
- 2 letters of recommendation
- ► TOEFL 80, TOEIC 800 or IELTS 6.0
- Motivation letter



Alexander POPPE Class of 2022

When I studied at EPITA, it was very nice to see people from different countries and also the teachers, who were very close to us. We could always go to them with questions. It was very easy to reach them, and they were always very helpful.

Thanks to EPITA, I am able to find new ways to improve AI models, go through fine-tuning, looking more into the details, looking through every layer, choosing the layers that you actually want to train or not. It is actually what I learned at EPITA, and during my internship that I am capable of deciding, where I want to focus on, how I want to improve these models, if something is state of the art, if it is interesting to implement, how I deploy it on the clouds. What I learnt at EPITA is very interesting.

Program Outline

	Teaching Unit	Course
S1 Foundation Semester (300 hours)	Introduction to Artificial Intelligence	Introduction to Python Knowledge Representation & Al History
	Technical Foundation	Advanced Algorithmic Relational Databases Java & UML Programming Algorithmic Workshop
	Innovation & Management	Cultural Integration Workshop General French (All levels) Communication for Leaders Managing the Culture Shock
	Core Data & Artificial Intelligence	Linear Algebra for Data Science Operations Research I: Linear Programing Operations Research II: Optimization for Data Science Numerical Algorithms Probability & Statistics for Machine Learning
S2 Core Semester (300 hours)	Data Science	Python Week Intermediate Python for Data Science Machine Learning I: Introduction to Statistical ML Machine Learning II: Bayesian & Unsupervised Methods Neural Networks & Deep Learning
	Technical Foundation	Data Privacy by Design Cloud Computing using AWS
	Data Engineering	NOSQL Databases Spark & Python for Big Data Data Exploration & Preparation Data Reporting & Visualization Data Science in Production 1
	Operational Methodologies	General French (All levels) Al Project Methodology
	Management & Soft Skills	Career Project Elaboration
S3 Excellence Semester (300 hours)	Advanced Management & Engineering Science	Cross-Border Management Digital Transformation Introduction to Block Chain & Bitcoin General French (All levels)
	Applied Data Science & Artificial Intelligence	Recommender System Natural Language Processing Al in Signal & Audio Processing Al in Image and Video Processing Time-Series Analysis Machine Learning I: Introduction to Statistical ML 2 Action Learning
	Data Engineering	Reinforcement Learning Ethical Development of Al Applications Big Data Infrastructure & Cloud Computing Data Science in Production 2
S4	Internship	• 6-month internship in a company

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