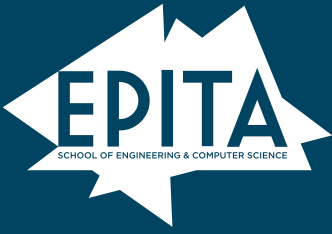


MASTER of Science in Artificial Intelligence Systems



- ▶ Endorsed by French & international companies
- ▶ Combination of mathematics & programming
- ▶ Action Learning through doing
- ▶ Multi-culture educational environment
- ▶ Accredited by the CGE (Conférence des Grandes Ecoles)



In Paris



100% English



18 months full-time



2 Intakes Sept/March

The aim of the **Master of Science in Artificial Intelligence Systems** is to provide 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 human and commercial.

- + Open-mindedness and curiosity facilitating the understanding of economic phenomena related to globalization,
- + French socio-economic and socio-professional culture,
- + Ability to present and defend a project in a variety of complex contexts.



Programs

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 Company



STAY IN TOUCH with us

epita.fr/en

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 international-programs@epita.fr
 14-16 rue Voltaire - 94270 Le Kremlin-Bicêtre
 FRANCE

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
- ▶ AI Project Manager
- ▶ AI Coach
- ▶ AI Solution Architecture
- ▶ Data Knowledge Miner
- ▶ Data Architect
- ▶ Machine Learning Engineer
- ▶ Features engineer



Average salary:
45K€ 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

- 1 Validation of the candidacy
- 2 Online interview
- 3 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
- ▶ Certified copy of the High School certificate
- ▶ 2 letters of recommendation
- ▶ TOEFL 80, TOEIC 800, IELTS 6.0
- ▶ Motivation letter



Bhanuja Kaur

From India
Class of 2018

EPITA is one of the best engineering schools in France. I love the program and the French culture. The specialization is embedded with subjects that meet the market requirements. It's a perfect blend of management and technical subjects which has helped me to be a successful technical manager.

Teachers are inspiring, they know their subjects and they care about the success of the students. There is proper exposure to practical implementation of the things learnt in class. Collaboration in the class is top notch.

Program Outline

	Teaching Unit	Course
S1 Foundation Semester (260 hours)	Big Data Programming	Algorithms & Data Structures C & C++ Programming Java & UML Programming Parallel Programming Python & Algorithm Workshop: Initiation Python for Big Data Relational Databases
	Cultural Integration	Cultural Integration Workshop French Language Program MSc (A1) Managing the Culture Shock
	Foundations of Mathematics	Linear Algebra for Data Science Numerical Analysis using Python Probability for Machine Learning Logic & Knowledge Representation
S2 Core Semester (260 hours)	Cultural Integration	French Language Program MSc (A2) Inter-cultural Adaptation Team Management
	Data Analysis & Machine Learning	Data Privacy by Design (GDPR) Introduction to Machine Learning Introduction to Neural Networks Management of Data Science Systems
	Data Science	NOSQL Databases Operations Research I: Linear Programming Operations Research II: Optimization for Data Science Bayesian & Unsupervised Methods for Machine Learning
	Introduction to Artificial Intelligence	Digital Transformation Introduction & History of AI The Ethics of Artificial Intelligence
S3 Excellence Semester (260 hours)	Action Learning	Application - AI in Cyber Security (Elective) Application - AI in Marketing (Elective) Application - AI in Medical System (Elective) Application - AI in NLP (Elective) Application - AI in Smart Building: IoT (Elective)
	Analytics	Big Data Architecture & Cloud Computing Data Visualization Multi-Agent Systems Predictive Analytics & Data Mining
	Applications of Artificial Intelligence	AI in Signal & Audio Processing Computer Vision & Image Analysis Introduction to Efficient Programming & GPGPU Machine Learning for Cloud: Corporate Conferences Week Natural Language Processing Recommender System
	Cultural Integration	French Language Program MSc (A2-B1)
	Data Science	Deep Learning Statistical Machine Learning Reinforcement Learning