



Grande Ecole Program

[PRESENTATION](#)

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[INTERNATIONAL](#)

[TUITION FEES/FUNDING](#)

5-YEAR PROGRAMS - 100% TAUGHT IN ENGLISH

Entry level

Work and study year

After High School*

YEAR 1

YEAR 2

YEAR 3

YEAR 4

YEAR 5

1 Year university education*

YEAR 2

YEAR 3

YEAR 4

YEAR 5

2 Years university education*

YEAR 3

YEAR 4

YEAR 5

3 or 4 year bachelor *

YEAR 4

YEAR 5

*In the required specializations - see admissions

DEGREE OBTAINED

Master's degree in Artificial Intelligence and Data Science

100% online personalized course accessible upon confirmation of registration

60H

Introduction to AI <ul style="list-style-type: none">→ The fundamentals of AI→ Information & Data Security	General computing <ul style="list-style-type: none">→ Work with computers→ Excel Basics	Maths & Statistics <ul style="list-style-type: none">→ The basics of statistics→ Learning everyday Math→ Essential Math for Machine Learning : Python Edition	Introduction à la programmation <ul style="list-style-type: none">→ Algorithms→ Ddiscover python 3→ The basics of programming
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YEAR 1

Data processing

500H of teaching + 120H of AI clinic

Computer Science <ul style="list-style-type: none">→ Operating systems management→ Introduction to databases→ Data analysis with Excel	IA tech & programmation <ul style="list-style-type: none">→ Data acquisition, storage, analysis and visualization→ Algorithms and programming in Python	Maths & Statistics <ul style="list-style-type: none">→ Statistical analysis of data→ Mathematics of AI	Business management <ul style="list-style-type: none">→ Business and market economics→ Legal environment of the company→ Introduction to information systems
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YEAR 2

Data modeling

500H of teaching + 120H AI clinics

Computer Science <ul style="list-style-type: none">→ Servers and computer networks→ Systems architecture	IA tech & programmation <ul style="list-style-type: none">→ Machine Learning→ Advanced programming with Python→ Data visualization with R	Maths & Statistics <ul style="list-style-type: none">→ Mathematical learning model→ Optimization under constraints	Business management <ul style="list-style-type: none">→ Marketing→ Finance→ AI development project management
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YEAR 3

Development of Artificial Intelligence

500H of teaching + 90H AI clinics

Computer Science

- Cloud tools
- Information and data security

IA tech & programming

- Practice of Machine Learning
- Tools for deploying a learning model
- Deep Learning
- DevOps for AI
- Preparation for professional certifications

Business management

- Cost and budget analysis
- Human resources management
- Entrepreneurial tools for creativity & innovation
- Business Game

AI, Ethics & Society

- History of AI
- Geopolitics of AI
- Data and rights
- Ethics of AI in business

4th YEAR ADMISSIONS: Refresher program according to academic background: fundamentals in management - and/or fundamentals in Math, stats, DATA and AI Tech - and/or AI, Ethics & Society

YEAR 4

540H of teaching + 180H AI clinic

TECH

- Machine learning Business Projects
- Deep learning: methods and applications
- Big data in practice
- Deployment and maintenance of AI models

Business management

- Management of digital systems
- Supply chain management, smart operations
- Business strategy and planning
- AI & Data science for Marketing

AI, Ethics & Society

- Robustness, explainability and bias of AI
- Great transformations through AI
- Great interrogations by the AI

Languages and cultures

- English or FLE

YEAR 5

Have a strategic vision and specialize

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→ Cybersecurity, The Internet of Things, Data governance, Green AI, AI & decision making, Data-driven business models, The Future of AI, Responsible performance management..

Specialization

- AI and Health
- AI and Finance
- AI and Law
- AI and Business
- AI and Industry
- AI and Entrepreneurship
- AI and Consulting

Langues and cultures

→ English or FLE

Projects & personal development

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- Clinique de l'IA, Coaching carrière
 - Work-study mission report
 - Final project or thesis
 - **Learning or internship 12 months**