aivancity

UNIQUE IN ITS KIND AND POSITIONING

aivancity
Paris-Cachan

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THE ONLY STATE-REGOGNIZED SCHOOL IN ARTIFICIAL INTELLIGENCE IN FRANCE

Download the digital version via your smartphone or visit our website www.aivancity.ai.

EDITO

DR. TAWHID CHTIOUI

Founding President

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aivancity is a hybrid school built around the triptych Artificial Intelligence, Business and Ethics. Its mission is to prepare future «AIgineers®» able to adress the many economic and social challenges related to exploitation of data and artificial intelligence's potential: graduates capable of developing computer programs that accelerate business performance and ensure the transition to a 4.0 industry; working for the progress of humanity in all fields, while ensuring that ethical rules evolve along with technical and societal developments.

aivancity is a place for initial training (with undergraduate to postgraduate programs), a place for exchange and meetings between the academic and socio-economic worlds, aivancity is also a place for professional training. The range of Executive education courses on offer is broad and extensive: it concerns engineers eager to understand the developments in AI and data science, but also less technical profiles who are aware of the importance of the field for their professional development that I invite you to discover.

1 Term invented and registered by aivancity- all rights reserved.

AIVANCITY SCHOOL FOR TECHNOLOGY, BUSINESS & SOCIETY PARIS-CACHAN

↓ **Employability**

To support the development of individuals' skills so that they can succeed in their personal development and professional career, throughout their lives, by being efficient players in responsible and competitive organisations, whatever the region of the world.

↓ **Diversity**

aivancity is committed in promotion of diversity and social inclusion and contribution to collective efforts to support the guidance of young people in disadvantaged areas.

↓ **Responsibility**

Ethics and responsibility, important criteria in the selection of candidates, are also priority areas of our training both in terms of technical skills and human qualities, and a promise made to the recruiters who will hire our graduates.

Open to talents from a variety of disciplines, literary, economic or scientific, aivancity will thus participate in the democratisation but also in the diffusion of AI within society as part of a responsible approach.

↓ **Territorial anchoring and opening to the city**

To develop the school in close connection with its environment by forging partnerships with neighbouring schools and businesses in the city and the region, by opening events organised on the campus to the public, by hosting events that contribute to the wealth of activities in the territories.

Unique in its kind and its positioning, aivancity is the reference AI school in France and Europe with an International development perspective. It trains students & executives in the challenges encountered by all sectors of activity such as: Industry, Fashion, Supply Chain, Services, Retail, etc.

A Faculty that illustrates hybridization and excellence

The aivancity faculty is heavily involved in the pedagogical design and contributes to the implementation and evolution of various programs. They are supported by external contributors who also participate in the teaching and supervision of students by passing on their know-how in specific fields. aivancity relies on the close relationship between the teaching team and the student community to ensure the best possible progression of each student towards his or her professional goal. The size of the classes, the average number of students per class, the consequent number of hours devoted to individualised pedagogical monitoring and tutoring of projects associated with the quality and experience of the teaching staff demonstrate in concrete terms the school's desire to offer the various learners a very high level learning experience.

82	**12**	**75%**	**51%**	**50%**	**50%**
PERMANENT PROFESSORS	AREAS OF SPECIALISATION	PHD	INTERNATIONAL PROFESSORS OF 14 NATIONALITIES	ACADEMIC	PROFESSIONALS

Strategic alliances and prestigious partnerships

aivancity can count on a network of institutional, academic and corporate partners in France and abroad to enrich the learning experience of our future students and participants, enabling them to open up new perspectives and further develop their networks.

ACADEMIC INSTITUTIONS

Arts et Métiers Sciences et Technologies | Berkeley Global | DE MONTFORT UNIVERSITY LEICESTER | UNIVERSITÉ DE LYON | ENS DE LYON | EPF ÉCOLE D'INGÉNIEUR-E-S Sceaux | Troyes | Montpellier | ESITC PARIS | ESMT | esprit SCHOOL OF BUSINESS | ESTP PARIS L'ÉCOLE DES GRANDS PROJETS

Ethics + Emerging Sciences Group | CAL POLY | excelia | Les Roches | TUM IEAI

THINK TANKS, NETWORKS

REPRÉSENTANT D'INTÉRÊT ASSEMBLÉE NATIONALE | BEYOND THE HORIZON | ÉTABLISSEMENT MEMBRE CAMPUS RESPONSABLES | EdTech France | Ethical AI - MEMBRE - | IMPACT AI | INSTITUT SAPIENS | LF AI & DATA | OBSERVATOIRE INTERNATIONAL SUR LES IMPACTS SOCIÉTAUX DE L'IA ET DU NUMÉRIQUE | REPRÉSENTANT D'INTÉRÊT SÉNAT | We the Humans

COMPANIES

ILLUMERGENCE | AMASAI | aws academy | BCdiploma your blockchain certificates | bunqr | corp DATA TRYB | FUTUROUS | Kinetix | Knitiv Organizing Memory | kwalys | L2F | LinkedIn

MerciYanis | Microsoft | NewQuest PITCHBOY | SMART | SoftBank Robotics | Solera | Sidexa | Substra Foundation | The AI Journal | Trouve Ta Voie | ZELROS

INSTITUTIONS

VILLE DE CACHAN | CCI VAL-DE-MARNE PARIS ILE-DE-FRANCE | CHOOSE PARIS REGION | Crous Créteil | num eum | afria

BANKS

CAISSE D'EPARGNE | Crédit Mutuel | LCL

GRANDE ECOLE PROGRAM

100% IN ENGLISH

↓ FORMAT

- 5 years of study, the last year of which is a work-study Program
- Two learning trips of one month each, internationally, at the end of the 3rd and 4th year.
- Lifetime guarantee to update the diploma, including 10 years free of charge
- The AI Clinic: an educational innovation at the service of students and companies

↓ DIPLOMAS

- Bachelor of Science "Applied Artificial Intelligence (State professional certification registered with the RNCP at level -6: «Artificial intelligence Developer»)
- MSc «Artificial Intelligence & Data Science» (recognized by the French Ministry of Education).

- «AI Product Engineering» certificate issued by the University of Berkeley, for students opting for the learning trip to California at the end of the second year of the Program.
- The following professional certifications whose preparation is integrated into the Program:

Year 1	DP-200	Implementing an Azure Data Solution
Year 2	DP-201	Designing an Azure Data Solution and AI-900: Microsoft Azure AI Fundamentals or AWS Certified Cloud Practitioner or Associate Cloud Engineer
Year 3	AI-100	Designing and Implementing an Azure AI Solution

↓ OPPORTUNITIES

- Artificial Intelligence Engineer, Artificial Intelligence Project Manager, Artificial Intelligence Project Director, Artificial Intelligence Expert, Artificial Intelligence Consultant
- Machine Learning Project Manager, Machine Learning Engineer
- Data scientist, Data engineer, Consultant Big Data, Business Data analyst

↓ ADMISSIONS

- Bachelor of Science: High School Degree
- Master of Science: 2-Year Post Secondary Education or Bachelor Degree (3-Year Degree) or Bachelor with Honors (4-Year Degree)

Admissions to the Grande Ecole Program are open to a variety of student profiles.

- The aivancity Grande Ecole Program has its own admission process. All candidates take selection tests based on knowledge, skills and open-mindedness, including sensitivity to issues of ethics and responsibility.
- Find the admission conditions and the tests of the competition on www.aivancity.ai.

Cost of studies, funding and scholarships

Tuition fees include all study costs, including international learning trips as well as the guarantee to update the diploma for 10 years from the date of graduation.

They do not include international travel costs (airfare, transport, accommodation and meals). For more information on accommodation and food and beverage options near the campus, please visit www.aivancity.ai.

Master of Science Data Management

PROGRAM IN ENGLISH OR FRENCH

↓ FORMAT

- 2 years of study, the last year of which is a work-study Program
- Lifetime guarantee to update the diploma, including 5 years free of charge.
- The AI Clinic: an educational innovation at the service of students and companies

↓ DIPLOMAS

- Master of Science «Data Management».

- a state professional certification registered with the RNCP at level 7 (equivalent to Bac+5): «Artificial intelligence Project Manager»
- the following professional certifications whose preparation is integrated into the Program :
  - Microsoft Certified: Data Analyst Associate or AWS Certified Data Analytics.
  - DA-100 Test: Analyzing Data with Power BI.

↓ OPPORTUNITIES

- Data Manager
- Data Analyst
- Chief Data Officer
- Data Consultant

↓ ADMISSIONS

- Admissions requirements:
- 3 or 4-Year Bachelor Degree
- Admission to the Master of Science Program is open to a variety of student profiles.
- All candidates take selection tests based on knowledge, skills and open-mindedness, including sensitivity to questions of ethics and responsibility.
- Find the admission conditions and the tests of the competition on www.aivancity.ai.

Cost of studies, funding and scholarships

The tuition fees include all study costs, including international learning trips as well as the guarantee to update the diploma for 10 years from the date of graduation.

They do not include international travel costs (airfare, transport, accommodation and meals). For more information on accommodation and food and beverage options near the campus, please visit www.aivancity.ai.

Master of Science Data Engineering

PROGRAM IN ENGLISH

↓ FORMAT

- Type: Initial training
- Language: 100% English
- Back-to-school seminar (6h)
- Refresher courses (48h)
- 5 certificates : 5 * 72H (360 H)
- A one-week learning trip (30H)
- Tutorials : projects, professional thesis and career tutoring (26H)
- Dual Work-Study

↓ DIPLOMAS

Master of Science « Data Engineering for Business & Society»
(Recognized by French Professional Certification: RNCP Level 7)

↓ CAREERS

- Data Engineer
- Data Scientist
- Data Analyst
- Chief Data officer
- Data Architect
- Consultant Big Data
- Data manager (dans une entreprise privée ou dans un organisme public)

↓ ADMISSIONS

MSc Data Engineering for Business & Society is for :

- Graduates with 4 or 5 years of higher education from engineering schools or universities in the fields of computer science, engineering, mathematics, statistics or physical sciences.
- Graduates with 4 or 5 years of business school or university in the fields of economics or management and who have an appetite for mathematical tools (linear algebra, statistics).
- Graduates with a master's degree in information and communication sciences or political science and who have an appetite for mathematical tools (linear algebra, statistics).

Find the admission conditions and the tests of the competition on www.aivancity.ai.

Cost of studies, financing and scholarships

Tuition fees include all study fees, including the international learning trip and the Guarantee of Updating the di-ploma for 5 years from the date of graduation. They do not include international living expenses (air-fare, transportation, accommodation and meals). You can have access to bank loans negotiated with ai-vancity's partners, repayable after a grace period and at a preferential rate

International Summer School

Artificial Intelligence and Big Data: technologies, practices and challenges

aivancity offers a 2 or 4-week summer program for young students

«AI & Big Data: technologies, practices & challenges» for French and international students of all ages and specialization areas

These programs help discover Artificial Intelligence in its technological and organizational implications and explore the issues and challenges it poses to the company.

In addition to presentations and lectures by the best specialists in the sector, there will be an emphasis on case studies, work in small groups, testimonials from AI actors, and visits to companies involved in AI projects.

Participants in these summer programs will also have the opportunity to carry out an AI project (Chatbot, robot, prediction from data ...).

Prerequisite

No prerequisites are required to attend this program. It is designed for high school students or students who are not specialists in computer science and artificial intelligence.

Next session

June 2023

Registration fees

Fees are including company visits and the cultural day. Accommodation and meals (lunch and snacks) are not included.

Certificate and ECTS Credits

At the end of the summer school, participants who have validated the program receive an aivancity certificate. Training for students can earn them up to 10 ECTS credits (5 US credits).

Location

The training takes place in the Paris region, on the aivancity campus; company visits are organized in the Paris area, as well as a cultural day related to the AI field.

Language: French or English

Paris-Cachan Campus

A 5.0 CAMPUS FOR TODAY'S EDUCATION AND TOMORROW'S SOCIETY

aivancity

SCHOOL FOR TECHNOLOGY, BUSINESS & SOCIETY

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