



**UNIVERSITÉ
FRANÇAISE
D'ÉGYPTE**

BACHELOR OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE ENGINEERING

School of Engineering

Overview

The Bachelor of Artificial Intelligence and Data Science Engineering is an Egyptian engineering degree of 4 years, with a French Master's degree after 1 additional year of study, in partnership with Université de Haute Alsace (UHA), Université Technologique de Compiègne (UTC), and Université de CY Tech Cergy Paris. Students study in English and can benefit of student mobility for semester exchanges and summer internships at any of our partner French universities during their second, third and fourth studying years, or for an additional year of study to obtain the MSc degree.

French Partner



Egyptian bachelor degree &
French Master degree
(+ 1 year)

WHY STUDY ARTIFICIAL INTELLIGENCE AND DATA SCIENCE ENGINEERING AT UFE?

- Get an Engineering bachelor's degree in 4 years.
- Only 1 additional year to earn an MSc degree from one of our highly reputable partner French universities. This includes a hands-on internship with a monthly salary in a French company. UFE Students are treated as national French students.
- Eligible for PhD studies worldwide after earning the French MSc degree.
- Hands-on experience and summer internships in industry throughout the studying years for perfect bridging between academic and real-life practical experience.
- Hosting visiting professors throughout the studying years for international exposure and open-minded knowledge exchange.
- Semester exchange and summer internship programs with our partner French universities.



POSSIBLE CAREERS PATHS

- Data Engineer / Data Scientist.
- AI Engineer.
- Machine Learning Engineer.
- Data / System Architect.
- NLP Engineer.
- Business Intelligence Analyst.



STUDY COURSES

YEAR 1 - SEMESTER 1

Mathematics 1.
Physical Mechanics.
Waves and Electromagnetism.
Introduction to Programming.
Ecological (Eco) design.
French Language.
English Language.

YEAR 2 - SEMESTER 1

Technical Drawing.
Introduction to Applied Mathematics.
Project.
Elective 1.
Languages Fr & En.
Software Engineering.

YEAR 3 - SEMESTER 1

Project Management.
Object-oriented Programming.
Operating Systems.
Advanced Statistics & Probabilities.
Problem Solving & Logic Programming.
Communication Skills.
Languages Fr & En.

YEAR 4 - SEMESTER 1

Artificial Intelligence.
Data Mining.
Voice Recognition and Natural Language Processing.
Cloud Computing & IoT.
Computer Graphics.
Language Fr/En.
Project.

YEAR 1 - SEMESTER 2

Mathematics 2.
Chemistry.
Geometrical Optics.
Logic Design.
Information Retrieval Techniques for Engineers.
Professional Project.
Languages Fr & En.

YEAR 2 - SEMESTER 2

Statistics and Probabilities.
Structure and Physical Properties of Materials.
Thermodynamics.
Project.
Elective 2.
Programming and Web Developments.

YEAR 3 - SEMESTER 2

Signal Processing.
Algorithms & Data Structures.
Operations Research.
Communication Systems.
Networks.
Marketing Strategies.
Languages Fr & En.

YEAR 4 - SEMESTER 2

Machine Learning.
Multi-agent Systems.
Digital Image Processing and Analysis.
Legislation.
Graduation Project (could be an industrial internship).



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APPLY NOW

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