MASTER OF SCIENCE

AGRICULTURAL & FOOD DATA MANAGEMENT

UniLaSalle
Rouen

INTRODUCTION

Data are revolutionizing companies in terms of management, research & development, and marketing.

Digital technologies are constantly evolving and bring out new approaches to agriculture. The Agricultural & Food Data Management MSc aims to give key competences to future data scientists. Developed with industry professionals, this program represents an opportunity for companies to benefit from experts who will undoubtedly represent considerable added value.

> The focus is on acquiring and applying IT and data mining techniques in the field of research and in companies involved in creating intelligence for agriculture.
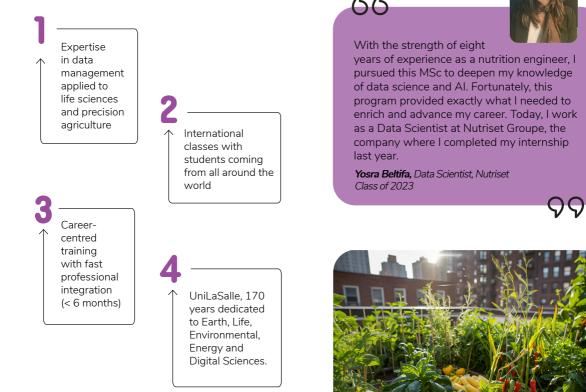>
> We are convinced that with this program, our students will make the difference to solve the global challenges we are facing !
>
> Our program enjoys the support of several academic and industry partners, including ACTA, Agro EDI Europe, NatUp, the Institute of Soil Science and Plant Cultivation (IUNG) in Pulawy (Poland), the Normandy Regional Chamber of Agriculture, Coop de France, Be API, ISAGRI, MiXscience (Avril Group), Sodiaal.
>
> *Jérôme DANTAN*
> *PhD, Eng. Associate professor in computer science*
> *Head of the MSc Agricultural & Food Data Management*

KEY POINTS

1 Expertise in data management applied to life sciences and precision agriculture

2 International classes with students coming from all around the world

3 Career-centred training with fast professional integration (< 6 months)

4 UniLaSalle, 170 years dedicated to Earth, Life, Environmental, Energy and Digital Sciences.

> With the strength of eight years of experience as a nutrition engineer, I pursued this MSc to deepen my knowledge of data science and AI. Fortunately, this program provided exactly what I needed to enrich and advance my career. Today, I work as a Data Scientist at Nutriset Groupe, the company where I completed my internship last year.
>
> *Yosra Beltifa, Data Scientist, Nutriset*
> *Class of 2023*

COURSE STRUCTURE

🇬🇧 **taught in English**

🕐 **12 months**

🌐 **Exchange semester possible under conditions**

1ST SEMESTER
October to January

2ND SEMESTER
February to May

INTERNSHIP
5 to 6 months starting from May

SEMESTER 1 - 24 ECTS

Agriculture, Food Science and Big Data :
An overview of AgTech and Food Science
Sociology and digital transformation

Marketing & business analytics
Data marketing
Business strategy & datavisualization

IT Data management
Excel spreadsheets
Databases and SQL, Project management

Data Analysis applied to Food Science
Data Analysis, Data Mining

Software Engineering
Excel programming, VBA
Advanced
Programming using Python

Limesurvey and data analysis
Survey Consumers data Analysis,
text mining &
Natural Language Processing

SEMESTER 2 - 16 ECTS

Connected ag. & food
Precision Agriculture
GIS Software, image processing

Big data, IoT and data property rights
Massive data processing and IoT
IT security & data property rights

Machine Learning Methods
Machine Learning and deep learning Modeling

Data Project for Agriculture & Food Science
Practical project whose subject is offered by
either the teaching staff or a partner company,
e.g. building a decision-making tool for smart
agriculture, developing of innovative IT software

Cross fields
Agorajob/Professional CV
French foreign language

CHOOSE FRANCE

Discover the french "way of life" and gastronomy. Learn French, the world's most commonly spoken language by 2050

↗ TRY NORMANDY

11,000 international students chose Normandy, be a part of them!
Experience Rouen, one of the 52 places to visit in the world (New York Times 2024), a dynamic city on a human scale with 45,000 students.

↗ STUDENT LIFE

• Social Events organized by students and the International Department
• 35 student associations and clubs on the campus (events, sports, international club, art, games)

↗ HEALTH & WELL-BEING

• Benefit from the excellent and free French healthcare system
• On campus psychological support team
• Disability friendly campus and personalized support
• University hospital within 15'

↗ ACCOMMODATION

• Secured residences
• University residences
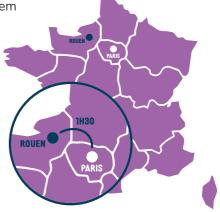• Private rental accommodations or with families

LET'S MEET

Our international team will be pleased to answer to any question you may have : courses, student life, tuition fees ...

Contacts:
France: Cécile Hartout
admissions.rouen@unilasalle.fr
International: Caroline Guerbois
caroline.guerbois@unilasalle.fr

TUITION FEES* 2024-2025
EU -
Non-EU -
Continuing Education -

* subject to change