DIGITAL TECHNOLOGY

International Master of Science (MSc)

Track DS
Data Science

In the last few decades, companies have accumulated overwhelming amounts of data. Using statistical data mining methods, one can detect tendencies, hidden patterns and knowledge nuggets, and use them to make strategic decisions. This process is of crucial importance in all sectors of activity, and in particular for business, science, politics, security, healthcare, etc.

ACADEMIC DETAILS

2-year full time program
> February intake – 4 semesters

Comprehensive curriculum
> Multi-dimension projects
> Professional & personalised projects
> Workshops
> French language & culture
> Master thesis / internship (last semester)

Internationally recognized degree
> MSc in Information Technology (IT) accredited by the Ministry of Higher Education, Research and Innovation
  No. 20171079 – 1702068Z

Associated tracks / programs
> AEIOT – Architecture & Engineering for the Internet of Things
> CSNE – Communication System and Network Engineering

Courses are subject to change without notice

M1 - YEAR 1 - Rennes then Brest campus

> Computer science fundamentals
> Mathematical tools
> Probability and statistics
> Introduction to data science
> Networking fundamentals
> Bibliographical study
> Big data and cloud computing
> Deep learning
> Introduction to machine learning
> A journey to data science
> Cloud computing for environmental data

M2 - YEAR 2 - Brest campus

> Advanced data mining
> Natural language processing & text mining
> Business intelligence
> Graph theory and social networks
> Introduction to AI
> Game theory
> Master thesis

Bridging semester in English

6-month paid internship in a company or lab

One of the best MSc in Data Science in Europe

IMT Atlantique
Bretagne-Pays de la Loire
École Mines-Télécom

#ComputerScience
#ArtificialIntelligence
#DataWarehouse
#DecisionAiding #DataMining
#NaturalLanguageProcessing
#KnowledgeBasedSystems
#KnowledgeDiscovery

INTERNATIONAL EXPERIENCE
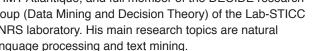
Alumni Testimony
Rudresh (India)

"The reason why I joined IMT Atlantique, it's because of its brand value. It is one of the top-ranked "Grande Ecole" in France. It has high value output in the fields of research and innovation"

Watch the video:
youtu.be/HDqWHujf1HU

CAREER OPPORTUNITIES

Data miner / analyst, Analytics manager, Decision support system designer, R & D engineer, Business analyst, Consulting expert, Researcher and academic, etc.

RESEARCH EXPOSURE

The program is managed by Prof. Yannis Haralambous, belonging to the Computer Science research departement of IMT Atlantique, and full member of the DECIDE research group (Data Mining and Decision Theory) of the Lab-STICC CNRS laboratory. His main research topics are natural language processing and text mining.
The MSc DS includes several research seminars and projects along the program, and definitely offers a gateway to PhD studies.

TUITION FEES AND SCHOLARSHIPS

5,100 Euros / year
Scholarships opportunities for:
Excellent profiles, Alumni from our partner universities, European citizens, etc.

BIENVENUE EN FRANCE

Brest **Rennes**
Nantes

FRANCE

> CampusFrance "*Bienvenue en France*" guarantees the quality of the experience for international students.

IMT ATLANTIQUE

IMT Atlantique is a *"Grande Ecole"* ranked among the best French Graduate Engineering Schools, and recognized internationally as a leading Technological University (Shanghai, QS and THE rankings). It is a member of IMT, the largest group of public Engineering and Management Graduate Schools in France.

> **On-campus accommodation, restaurants, sports facilities**
> **Orientation Days & French Summer School**
> **A variety of student clubs**

Find out more:
www.imt-atlantique.fr/it

Contact us:
it-apply@imt-atlantique.fr

Apply:
https://www.imt-atlantique.fr/it-apply

International students FAQ:
www.imt-atlantique.fr/student-faq

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