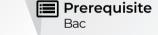


#### TO DATA ANALYSIS AND DECISION

# LMAD

#### **BACHELOR IN MATHEMATICS APPLIED**











Opportunity for Double Degree





# Objective

The world has become mathematical. Decision-mathematical based on the analysis of increasingly massive data – Bachelor's degree in Mathematics Applied Analysis and Decision Support calls on artificial integrand machine learning tools, as well as mathematical skills and know-how.

This degree is aimed at graduates with a bachelor's degree in mathematics, computer science, experimental sciences, technical sciences or equivalent.

### Content

#### **MATHEMATICS & STATISTICS**

Data analysis, Discrete& convex optimization, statistical analysis, regression & predictive models models, Stochastic processes

#### **BUSINESS INTELLIGENCE**

Programming (Python), Databases, Data Warehouse, Data Mining, Big Data, Artificial Intelligence, Machine Learning

#### **SOFT SKILLS**

Seminars, Personal Development, Business Games, Languages, etc.

#### **PROFESSIONAL PROJECT**

Internships, PFE, Integrated projects, Company visits, Workshops, Case studies, etc.





## Skills

- ▶ Help organizations create value or innovate in respective sectors through their decisions based on mathematical rigor & inferred statistical techniques.
- Master the analysis and processing of massive data (Big Data).
- Master data science programming languages.
- Assess profitability and manage risk for financial products.
- Implement data mining and exploitation methods.
- Organize and supervise surveys and polls.
- Assist in the digital transformation of companies.

# Sectors of activity

- IT service companies
- ▶ Software publishers
- ▶ Banks & Insurance
- ▶ Commercial & industrial companies

## **Professions**

- Data Analyst
- Insurance Actuarial Analyst
- Front Office Financial Market
- Credit & Bank Risk Analyst
- Data Miner / Data Scientist
- ▶ BI Expert
- Business Analyst
- Statistician

# **Professional partnerships**

- Digital service companies
- Banks & Insurance
- Consulting firms