

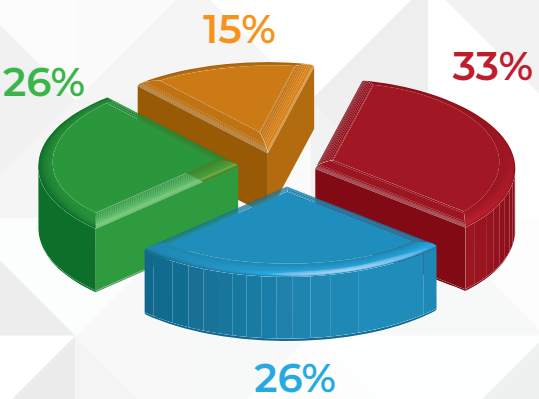
BACHELOR'S DEGREE IN APPLIED MATHEMATICS

TOWARDS DATA ANALYSIS & DECISION-MAKING

Level Bachelor	Prerequisite Baccalaureate	Credits 180 ECTS	Duration 6 semesters + internship	Study mode Basic training / Full time
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The world has become mathematical. Decisions are based on the analysis of increasingly massive data (Big Data). This Bachelor's Degree M (AD) employs artificial intelligence tools, machine learning tools; it also develops and hones mathematical and statistical skills and know-how.

This Bachelor's is intended for Baccalaureate graduates in Computer science, Experimental Sciences, Mathematics and any other equivalent diplomas.



MATHEMATICS & STATISTICS

Data Analysis, Discrete & Convex Optimization, Actuarial Science, Statistical Analysis, Regression & Predictive Models, Stochastic Process...

BUSINESS INTELLIGENCE

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

SOFT SKILLS

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

PROFESSIONAL PROJECTS

Cross-disciplinary Projects, Company Visits, Internships, Graduation Projects...

Skills

- Help organizations create value and innovate in their respective sectors, based on mathematically rigorous decision-making and inferred by statistical techniques.
- Master the analysis and processing of Big Data
- Master programming languages in the field of Data Science.
- Assess the profitability of financial products.
- Implement methods of data exploration and exploitation.
- Organize and supervise surveys and polls
- Manage risks for financial products.
- Help companies achieve digital transformation.
- Ensure product quality.

Jobs

- Data Analyst
- Insurance Actuarial Expert
- Front office financial market (Trader)
- Credit & Bank risk Analyst
- Data Miner
- Management & Investigation Management Expert
- Trend Analyst
- Econometrician
- Statistician

Activity Area

- IT Service Companies
- Software Publishers
- Banks and Insurance Companies
- Commercial or Industrial Companies