



## Master the science and technology of AI for responsible business and sustainable solutions

Are you invested in the impact that AI has in our collective future? The Bachelor of Science in *Data Science for Responsible Business* from **emlyon** business school and **École Centrale de Lyon** will enable you to understand technological, social and ecological challenges that organizations face, as well as equip you with the hybrid skills required to solve these issues as a leader of tomorrow.

### Become an AI expert for responsible business practices

Partake in a unique hybrid training in the science and technology of AI with a perspective in responsible business. The pedagogy is applied and action oriented. You will learn the best professional practices of AI and get a real know-how of data science through concrete business projects and responsible AI missions within companies, organizations, and research labs.

### Study at two highly-ranked European schools

**emlyon** business school and **École Centrale de Lyon** are both globally recognized, prestigious institutions for engineering and business. You will benefit from an excellent faculty, dedicated student and career services, and state-of-the-art learning facilities from both institutions.

### Get hired easily and launch your career

Benefit from the professional, global networks of both institutions to high-standing companies with a need for young professionals matching your graduate profile. Participate in quality internships, get access to attractive job offers and privileged contacts with companies to help you to find and obtain your dream job.



**Jean Savinien** / Academic Director of the Program / **emlyon** business school

"AI impacts us in many profound ways and invites us to rethink the relations and traditional boundaries which exist between science, business, and human and social questions. We are convinced that responsible commitment is necessary when working in AI and that it requires the creation of bridges between engineering and business units."



**Yohann De Castro** / Scientific Referee / École Centrale de Lyon / Institut Universitaire de France

"Automation of tasks, decision assistance, optimal policy development... AI is at the heart of large parts of our economy and our lives. Knowing its specificities, its limits and its challenges is undeniably an asset for our future decision-makers."



For high-school or Baccalaureate students and graduates with a specialty in Mathematics and Science



4 years of study



Joint degree from **emlyon** business school and **École Centrale de Lyon**



Taught in English



Delivered in Lyon-Écully

## Program Structure

<b>Year 1</b>	Mathematics & Computer Science Fundamentals	3-month internship in NPO			
	Fundamentals of Responsible Business				
<b>Year 2</b>	Data Science   Technologies of AI	3-month internship in tech			
	Business Practice & Corporate Social Responsibility				
<b>Year 3</b>	Semester Abroad Advanced Language Models   Modern Trends in AI	3-month track internship	Research Track	Data Scientist Track	Entrepreneurship Track
	Digital Business   Corporate Law				
<b>Year 4</b>	Research Missions   Tech Seminars	6-9 month internships BSc Thesis			
	Innovation   Human & Machine Cognition				

## Program Tracks

Years 3 and 4 are mainly project oriented with 3 tracks structured as follows:

- 4-month project work (Spring term, Year 3)
- 3-month internship (Summer term, Year 3)
- 4-month project work (Fall term, Year 4)

In the “Data Science” track, students join a company during the Spring internship and partake in a year-long, full-scale project culminating in the delivery of a project solution at the end.

In the “Research” track, students work similarly on a research project in partnership with a research lab.

In the “Entrepreneurship” track, students are trained and supported by the incubators of **emlyon** business school and **École Centrale de Lyon** to start their own businesses.

## Professional Certifications

During their study, students must pass various professional certifications, validating skills in data analytics, cloud computing, and machine learning:

- EMI+ Advanced Excel Certification
- Advanced Google Analytics
- AWS Certified Cloud Practitioner
- AWS Certified Machine Learning Specialty

## Possible Jobs and Positions after the Program

The program is intended to respond to the huge recruitment need in data science and AI, and prepares students with a real technical and business know-how and a responsible perspective.

The program will prepare participants for these specific positions and job titles:

- AI Project Leader
- Data Science & AI Consultant
- Data Analyst / Big Data Analyst
- Data Scientist

## Tuition Fees for September 2023 Intake

€ 12,950 /year over 4 years, including:

- Tuition fees
- Enrollment and administrative charges
- Pedagogical fees related to the semester abroad
- Lifelong membership to the **emlyon** business school alumni network

You may seek a bank loan as per negotiated with partners of **emlyon** business school. You may also be granted financial aid during your program, depending on certain criteria (social, international mobility).

## Contact

Admission Department

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Visit the website

