

em  
lyon  
business  
school

# Master of Science in Healthcare Innovation & Data Science



**2 years** (entry in Y1) – 120 ECTS  
**1 year** (entry in Y2) – 90 ECTS  
Depending on the qualifying degree



Taught  
in **English**



**Full-time**  
program

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*Studying the healthcare sector is fascinating because it operates at the intersection of science, data, and human well-being. The healthcare systems are complex and challenging, where strict regulatory standards must be maintained while handling sensitive data. Our program aims to train professionals who not only have a deep understanding of the healthcare ecosystem and its stakeholders but also possess the ability to manage and interpret complex health data. The program will empower you with expert technical, social, and ethical expertise that are crucial for the data-driven transformation of the healthcare sector.*



**Shaily Malik**  
Program Director

**Do you want to contribute to healthier communities and more efficient healthcare systems? Our MSc in Healthcare Innovation & Data Science is designed to equip you with the latest knowledge in data science and with managerial and entrepreneurship skills, to innovate and drive transformative change in healthcare.**

	OCTOBER	MARCH	APRIL	AUGUST	
YEAR 1	<p><b>Foundations of Health Systems:</b> Evolution of health systems, Digitalization in healthcare, Patient centrality in healthcare, AI ethics in healthcare.</p> <p><b>Fundamentals of Business:</b> Business models, Project management, Business finance, Corporate social responsibility.</p> <p><b>Fundamentals of Data Science:</b> Health data science, Python programming, Data visualization, Fundamentals of AI &amp; machine learning.</p> <p><b>Leadership &amp; Team Management:</b> Leadership, Collective intelligence, Cross-cultural management, Employability workshops.</p>			<p><b>Optional internship</b></p>	
	Lyon			Anywhere in the world	
	SEPTEMBER	FEBRUARY	MARCH	APRIL	SEPTEMBER
YEAR 2	<p><b>Health Ecosystems &amp; Innovation:</b> Business ecosystems – Pharma/MedTech, Global health systems &amp; economics, Innovation in health systems.</p> <p><b>Business Processes &amp; Tools:</b> Digital marketing, Consulting &amp; decision making, Advanced project management, Data management &amp; information systems.</p> <p><b>Advanced Data Science:</b> Cybersecurity &amp; IP rights, Data governance, Advanced AI &amp; machine learning, Advanced data analytics– Excel, SQL.</p> <p><b>Entre-/Intra-preneurship:</b> Transforming Early Makers, Healthcare entrepreneurship, In-company projects, Interdisciplinary track.</p>			<p><b>Professional experience (4-6 months)</b></p>	
	Lyon			Anywhere in the world	
			International Seminar	International term in Shanghai	
	Thesis				

## Targeted jobs

- Healthcare Strategy & Innovation Consultant
- Clinical Data Manager
- Innovation Project Manager
- Product Manager
- Digital Transformation Consultant
- Data Analyst
- Medical Affairs Advisor
- Health Market Access Analyst
- Health Data Scientist
- Business Development Analyst
- Clinical Development Intern
- Regulatory Affairs Manager

## Job location

84%  
EUROPE

8%  
ASIA

8%  
MIDDLE EAST  
AFRICA

## Main recruiters

- Accenture Life Sciences
- AstraZeneca ■ Bayer
- bioMérieux ■ Cerba HealthCare
- Danone ■ Deloitte
- Ernst & Young ■ Eurofins ■ GSK
- IQVIA ■ Johnson & Johnson
- Medtronic ■ Merck ■ Novartis
- Pierre Fabre ■ Sanofi ■ Servier
- Simón Kucher ■ Takeda
- Vertex ■ Withings

## Average salary

€48,500

per year

## Employability

76%

net employment rate  
at 3 months

100%

net employment rate  
at 6 months

Survey conducted in 2025. Concerns the class of 2024 of the 18-month MSc in Health Management & Data Intelligence.

## Class profile



26 years old  
on average



21  
nationalities



40  
students (Years 1 & 2)

Concerns the 2025-2026 cohort.

## Entry level

- Entry in Y1 (2-year program): a 3-year Bachelor's degree or equivalent
- Entry in Y2 (1-year program): a 4-year Bachelor's degree or equivalent

You can find the complete list of eligibility requirements for our Master's programs on our website.

## Tuition and fees - September 2026 intake

- Entry in Y1 (2-year program): €38,500 (Year 1: €13,750 - Year 2: €24,750)
- Entry in Y2 (1-year program): €28,750

The tuition fees indicated above are valid for the 2026-2027 academic year.

### Including:

- Tuition fees
- Enrollment and administrative fees
- Travel and lodging expenses relative to the International Seminar when relevant
- Career Center services during your program and for 3 years after graduation
- Several hours of individual career coaching during your program
- Lifelong membership of emlyon business school alumni network

Visit [em-lyon.com/en](https://em-lyon.com/en) for details on the admission process, assessment methods and our scholarship policy.



## Contacts

### Do you live in?

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Visit the website



You are temporarily or permanently disabled?

Please contact our teams at [handicap@em-lyon.com](mailto:handicap@em-lyon.com) to study how you can integrate the program. You will find the welcome guide and all the information on how we welcome and support our students and participants with disabilities at [em-lyon.com/en](https://em-lyon.com/en)