

POSTGRADUATE PROGRAM

Information Management and Business Intelligence in Healthcare

In an increasingly data-driven sector, this postgraduate program prepares students to transform information into strategic knowledge. The program allows students to develop skills in management, innovation, and business intelligence with the aim of optimizing decisions and generating sustainable value in healthcare organizations.

Information Management and Business Intelligence in Healthcare

The dynamics of today's globalized environment, in which the healthcare sector operates, have increasingly highlighted the ability of organizations to access data, information, and knowledge in a timely, transparent, and reliable manner as a critical success factor.

In this knowledge-intensive context, the capacity of healthcare organizations to identify, capture, and leverage their knowledge repositories to create value and support decision-making processes is crucial to ensuring their competitiveness. Business Intelligence, understood as the use of information systems and technologies to collect, store, analyze, and deliver information that supports management in their decision-making, has emerged as one of the main foundations for building competitive advantages in the networked economy we live in today.

Goals

The goal of this program is to train experts and managers to:

- 🌀 Meet the challenges of the new healthcare market using the instruments of planning and management control in healthcare organizations;
- 🌀 Know and manage the processes of innovation and change, as well as customer relationships in the new healthcare market;
- 🌀 Introduce the principles of Information Management and Knowledge Management to promote the competitiveness of organizations working in the health sector;
- 🌀 Understand the process of Business Intelligence and manage the infrastructure components of Business Intelligence (BI) - people, processes, and technologies;
- 🌀 Use analytical applications monitoring the performance of organizations, and identify key indicators of the analytical applications in healthcare.

#2 Europe #1 Portugal

#2 World

EDUNIVERSAL
Best Masters
Ranking 2025



Program length

The program has a duration of two semesters. The classes will start in February, ending in December, and are held after working hours (after 6.30 p.m.), 2 to 3 times a week.

Target

The Postgraduate Program is for anyone who has a relevant bachelor's degree and who wishes to acquire skills in information management, knowledge management and Business Intelligence in healthcare. This Postgraduate Program is also aimed at healthcare professionals who are responsible for services management as well as managers and leaders in healthcare who need to develop studies and projects in Business Intelligence.

Entry Requirements

To enter this program, applicants must meet the following requirements:

- 🌀 Hold a bachelor's degree in a compatible field (completed by January);
- 🌀 Be proficient in English, spoken and written.



For more information or to apply, please visit
www.novaims.unl.pt/GIBIS

Study Plan

To be awarded the Postgraduate Diploma, students must complete 60 ECTS, of which 37,5 are mandatory course units and 22,5 are elective course units, chosen by each student from a wide range of curricular units offered at NOVA IMS, ENSP-NOVA, and IHMT-NOVA.

Mandatory Course Units

Course Units	ECTS
Business Intelligence Miguel de Castro Neto	7,5
Innovation, Change Management and the New Healthcare Client Guilherme Victorino	7,5
Leadership and People Management Gustavo Madeira and António Martins	7,5
New Healthcare Market José Carlos Caiado	4,0
Planning and Management Control in Healthcare Organizations José Carlos Caiado	7,5
Sustainable Healthcare Guilherme Victorino	3,5

Elective Course Units:

- Big Data Analytics
- Descriptive Methods of Data Mining
- Knowledge Management
- Predictive Methods of Data Mining
- Research Methodologies

To see the full list of elective course units, please visit www.novaims.unl.pt/GIBIS

Access to the Master's Degree

The postgraduate program gives access to the Master's Degree in Information Management, through the development of a scientific thesis, a work project or a professional internship, and the approval of the following course units:

- Big Data Analytics
- Business Intelligence II
- Descriptive Methods of Data Mining
- Knowledge Management
- Predictive Methods of Data Mining
- Research Methodologies

Partnerships



Support



SPMS
Serviços Partilhados do
Ministério da Saúde



Scientific Coordination

- José Carlos Caiado
(NOVA IMS)
- José Fragata
(NMS | FCM)
- Guilherme Victorino
(NOVA IMS)
- Rui Santana
(ENSP-NOVA)
- Luís Lapão
(IHMT-NOVA)

About NOVA IMS

NOVA Information Management School (NOVA IMS) is Portugal's only higher education institution exclusively dedicated to data science, artificial intelligence, and information management. With more than 4,300 students from 100 nationalities, NOVA IMS is internationally recognized for its excellence in teaching, research, and strong ties to the job market.

Our programs consistently rank among the world's best, and in 2025 the school received the highest possible rating: five stars in all categories in the QS Stars University Ratings. The faculty includes 11 professors listed among the world's top 2% most cited scientists (Stanford University). Since its founding in 1989, NOVA IMS has been committed to educating professionals and researchers capable of transforming data into valuable knowledge and creating real impact across diverse areas of economic and social life.

Contacts

For more information about the NOVA IMS' program, please contact our Admissions Office Department:

admissions@novaims.unl.pt
+351 213 828 610 (Option 2)

Campus de Campolide,
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EDUNIVERSAL

Best Masters Ranking 2025

#1 IN THE WORLD

MASTER'S PROGRAM

Information Management

Specialization
Business Intelligence

SEVEN TIMES IN A ROW Best. Again.

Nine NOVA IMS programs are among the best in the world. The Master's in Information Management – Business Intelligence is #1 worldwide in its category for the 7th edition in a row.

WORLD	#2	#7		
EUROPE	#2	#5	#1*	#1*
PORTUGAL	#1	#2	#1	#1

MASTER'S PROGRAMS

Statistics and Information Management
Specialization:
Risk Analysis and Management

Data-Driven Marketing
Specialization:
Marketing Intelligence

Data Science and Advanced Analytics

Information Management
Specialization:
Information Systems Management

WORLD	#2	#3		
EUROPE	#2	#3	#2*	#11*
PORTUGAL	#1	#1	#1	#2

POSGRADUATE PROGRAMS

Information Management and Business Intelligence in Healthcare

Enterprise Data Science & Analytics

Digital Marketing and Analytics

Digital Enterprise Management

*Western Europe

ACCREDITATIONS AND CERTIFICATIONS



CO-FINANCED

