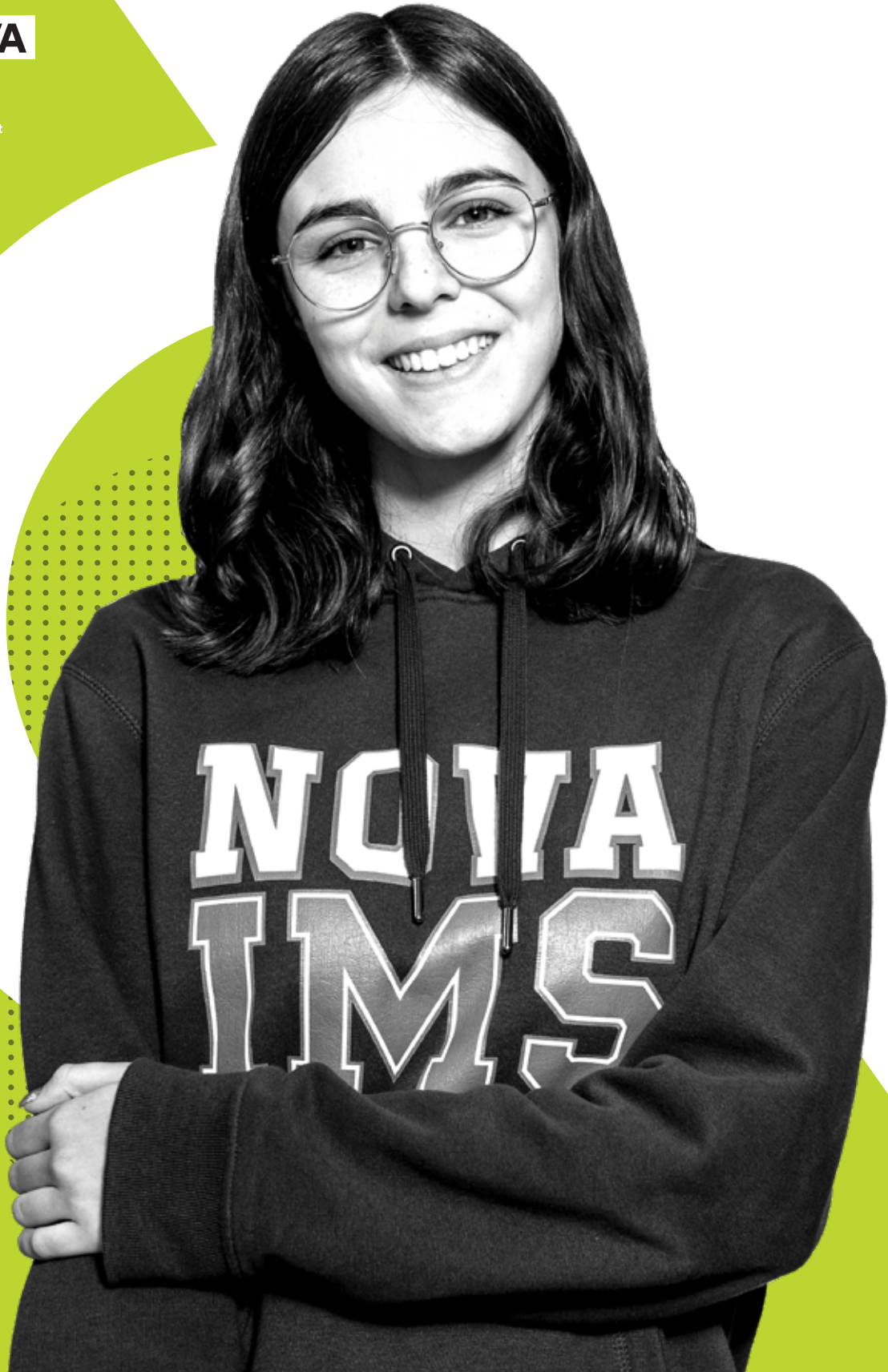


THE JOBS OF THE FUTURE ARE HERE ▶▶▶

NOVA

IMS

Information
Management
School



BACHELOR'S DEGREES 2024/25



We are pioneers in converting data into value

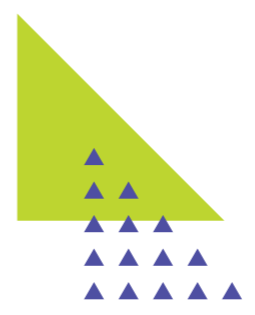
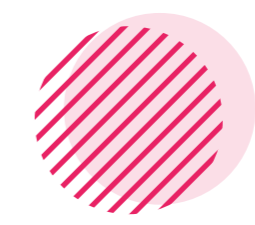
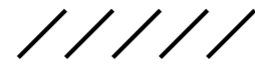
100%
employment rate^{(1),(2)}

€1.394
average monthly net salary⁽¹⁾

34
programs
3 Bachelor's Degrees,
21 Postgraduate,
9 Master and 1 Doctoral

3.800
students from
100 nationalities

(1) Independent ObipNOVA report on NOVA IMS undergraduates in 2019.
(2) Employment rate measured according to active graduates.
(3) International organization that brings together leading universities in the research and teaching of information sciences.
(4) International agency that publishes the annual ranking of the best Masters and MBAs in the world.
(5) North American Accreditation Agency, world leader in quality certification and in encouraging innovation in academic programs in applied science, computing, engineering and technology related fields.



#1
in several international recognitions

iSchools
We were the 1st institution in the Iberian Peninsula to join iSchools⁽³⁾

eduniversal
Ten of our master and postgraduate programs were classified by Eduniversal in the TOP Ranking of the Best Masters 2024⁽⁴⁾

ABET Computing Accreditation Commission
We have the 1st degree in Europe to be accredited in Information Systems by ABET⁽⁵⁾

celonis
We are recognized by the world leader in process mining as a center of excellence in this area

As the Dean of the NOVA Information Management School (NOVA IMS) - the school of Information Management and Data Science at Universidade Nova de Lisboa - I am pleased to highlight the prestige and excellence that define our school both nationally and internationally. NOVA IMS is recognized for its scientific and pedagogical competencies, asserting itself as a beacon of innovation and knowledge in our specialized field.

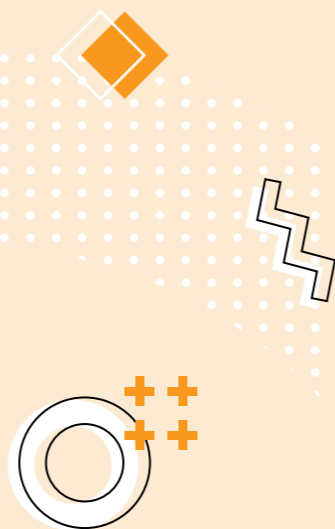
Our mission is to prepare future leaders for the era of digital transformation and data-driven management. Through our three undergraduate programs, we are committed to educating highly qualified professionals, ready to tackle the challenges of organizations and society with an impressive 100% employability rate. This success is a testimony to the relevance and direct applicability of the knowledge and skills acquired at NOVA IMS.

NOVA IMS programs are accredited and consistently recognized in international rankings, reflecting our commitment to academic excellence. We are also committed to promoting the success of all our students, offering a wide range of scholarships and awards that recognize and encourage academic merit and excellence.

I invite all those interested in being part of this extraordinary educational journey to get in touch with us. At NOVA IMS, you will find a welcoming and stimulating environment, where the potential of each student is valued and nurtured. We look forward to welcoming the next generation of innovators and digital leaders. Together, let's shape the future.

Miguel de Castro Neto
NOVA IMS Dean

Bachelor's Degree in Data Science



Course Code: L188

Entry Exams Subjects (1 of the following sets)**:

19 Mathematics A
19 Mathematics A + 04 Economy
19 Mathematics A + 10 Descriptive Geometry

Exams (1 of the following sets)**:

635 Mathematics A
635 Mathematics A + 712 Economy A
635 Mathematics A + 708 Descriptive Geometry A

Last Placement of the General Quota *

1st Phase - 174,6
2nd Phase - 177,8

* Results from the 2023-24 academic year

** Information for the 2024/25 National Contest for Access to Higher Education.
Refer to the bachelor's program webpage to check conditions for years beyond 2025.

In the Data Science bachelor's degree, students learn state-of-the-art artificial intelligence and machine learning techniques for analyzing large volumes of data (big data). They will become true data scientists - considered the sexiest job of the 21st century by the Harvard Business Review.

The main objective of this course is to train future professionals capable of understanding, developing, and applying models, algorithms, and the most advanced data science techniques to analyze and extract knowledge from big data.

Career Opportunities

- » Data scientist;
- » Big data analyst;
- » Data engineer;
- » Specialist in artificial intelligence systems;
- » Specialist in machine learning;
- » Specialist in the development of automatic learning algorithms.

Sectors of Activity: IT companies; banking; communications companies; insurance; retail; telecommunications; biomedical companies; pharmaceuticals; public administration; utilities; industry.

Study Plan

1st Year

Algorithms and Data Structures
Computers' Architecture
Foundational Aspects of Data Science
Information Systems
Introduction to Artificial Intelligence
Introduction to Computational Thinking and DS
Introduction to Programming
Linear Algebra
Mathematical Analysis II
Mathematical Analysis I
Personal Development I
Statistics and Probability Distributions

2nd Year

Big Data Storage
Data Pre-processing and Visualization
Databases
Forecasting Methods
Machine Learning I
Machine Learning II
Optimization Algorithms
Programming for Data Science
Regression Analysis
Statistical Inference

3rd Year

Big Data Analysis
Capstone Project
Deep Learning
Ethic, Social and Legal Aspects of AI
Personal Development II
Text Mining
Optional Curricular Units (students must choose 30 ECTS):
Digital Innovation Projects
Entrepreneurship and Project Analysis
Geospatial Analytics
Informatics and Information Law
Information Systems Seminar
Network Analysis
Process Intelligence
Risk Management
Web Analytics
Web Marketing & E-Commerce

Support and Funding



www.recuperarportugal.gov.pt



The Bachelor's Degree in Data Science is exceptionally well structured and stands out for its constant search for innovation. Its practical component makes the classes much more interesting and enriching for students. Upon completing our degree and having cultivated a strong mastery of essential knowledge and skills, we are prepared to efficiently enter the workforce."

Alexandra Pinto
Student of the 3rd Year



www.novaims.unl.pt/lcd

Bachelor's Degree in Information Management



Course Code: 9155

Entry Exams Subjects (1 of the following)**:

04 Economy
16 Mathematics

Exams to be carried out (1 of the following)**:

712 Economy A
635 Mathematics A or 735 Mathematics B

Last Placement of the General Quota *

1st Phase - 171,8
2nd Phase - 175,7

* Results from the 2023-24 academic year

** Information for the 2024/25 National Contest for Access to Higher Education.
Refer to the bachelor's program webpage to check conditions for years beyond 2025.



www.novaims.unl.pt/lgi

The Bachelor's Degree in Information Management combines management with data science. It prepares students to become the new generation of managers, capable of understanding business and the current challenges of modern management, transforming data into information. In today's society, there is a high demand for professionals with information management skills, capable of using the most advanced techniques and analytical tools to support decision-making.

Career Opportunities

- » Information manager;
- » Data analyst;
- » Business analyst;
- » Specialist in data science applied to management;
- » Specialist in analytical marketing;
- » Specialist in decision support systems;
- » Business process analyst.

Sectors of Activity: IT companies; banking; insurance; health; telecommunications; logistics/distribution; marketing and market research; consulting; public administration.

Study Plan

1st Year

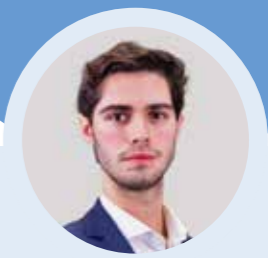
Business Management
Computation I
Economic Analysis
Foundational Aspects of Information
Information Systems
Linear Algebra
Marketing
Mathematical Analysis I
Mathematical Analysis II
Personal Development I
Programming for Business
Statistics and Probability Distributions

2nd Year

Business Intelligence
Computational Methods for Optimization
Data Analysis
Data Preprocessing
Databases I
Econometrics I
Financial Analysis and Management Control
Geospatial Intelligence
Machine Learning
Nonparametric and Computational Statistics
Statistical Inference
Survey Methodology

3rd Year

Business Process Management
Business Strategy and Digital Transformation
Econometrics II
Enterprise Information Systems
Market Research
Personal Development II
Optional Curricular Units (students must choose 30 ECTS):
Applied Economy
Business Law
Digital Innovation Projects
Entrepreneurship and Project Analysis
Financial Calculus
Forecasting Methods
Geospatial Analytics
Information and Informatics Law
Information Systems Seminar
Location Based Services
People Management and Leadership
Project Management
Remote Sensing
Risk Management
Smart and Sustainable Cities
Web Analytics
Web Marketing and E-Commerce



This Bachelor's Degree stands out for its perfect combination of the main needs of the job market, combining both the technological and the business component and improving students' decision-making skills. By staying at the forefront of current trends, this course prepares students for an excellent adaptation to the professional world."

António Aguiar

Financial Risk Analyst - Deloitte Luxembourg

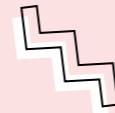
Bachelor's Degree in Information Systems



This is the
1st Degree in Europe
to be accredited in
Information Systems by



Computing
Accreditation
Commission



Course Code: 8259

Entry Exams Subjects (1 of the following)**:

04 Economy
16 Mathematics

Exams to be carried out (1 of the following)**:

712 Economy A
635 Mathematics A or 735 Mathematics B

Last Placement of the General Quota*

1st Phase - 166,9
2nd Phase - 173,5

* Results from the 2023-24 academic year

** Information for the 2024/25 National Contest for Access to Higher Education.
Refer to the bachelor's program webpage to check conditions for years beyond 2025.

In the Information Systems Bachelor's Degree students learn to analyze, design, and implement information systems that are fundamental in modern organizations, including artificial intelligence, new programming languages, development of apps and web systems, and mobile computing, among other subjects. They also acquire a set of tools that support the business processes of organizations.

Career Opportunities

- » Systems analyst;
- » Specialist in the development of artificial intelligence systems;
- » Database administrator and programmer;
- » Consultant in information systems and technologies;
- » Specialist in the implementation of information systems;
- » Information systems project manager;
- » Software developer.

Sectors of Activity: IT companies; banking; insurance; health; telecommunications; logistics/distribution; e-business; consulting; public administration.

Study Plan

1st Year

Business Management
Computation I
Computation II
Information Systems
Linear Algebra
Mathematical Analysis I
Mathematical Analysis II
Organizations Behavior
Personal Development I
Statistics and Probability Distributions
Technologies and Web Apps
Theory and Practice of Information Systems

2nd Year

Computation III
Computer Networks & Cloud Computing
Databases I
Databases II
Human-Computer Interaction
Information Technologies Hardware and Software
Information Systems Project Management
Mobile Apps Development
Statistical Inference
Systems Analysis
Web Marketing and E-business

3rd Year

Artificial Intelligence
Business Process Management
Cybersecurity
Geospatial Intelligence
Project of Information Systems powered by Webasto
Personal Development II
Optional Curricular Units (students must choose 30 ECTS):
Applied Cybersecurity
Computational Methods for Optimization
Enterprise Information Systems
Entrepreneurship and Project Analysis
Geospatial Analytics
Informatics and Information Law
Information Systems Project II
Information Systems Seminar
Information Technologies, Governance and Service
Machine Learning
Nonparametric and Computational Statistics
Remote Sensing
Risk Management
Web Analytics



The Bachelor's Degree in Information Systems allowed me to be immersed in an extremely dynamic and evolving environment, which gave me the opportunity to be in touch with the latest technologies and trends in the technology sector. The course values and encourages innovation and was undoubtedly the best choice to boost and succeed in my professional career."

Marisa Nunes
Data & Operations - Bloq.it



Go further with the Mobility Programs

Through the available mobility programs, NOVA IMS students have the possibility to attend a semester in a European educational institution with which a partnership has been established. Recognizing the significance of fostering a culture of collaboration and mobility, NOVA IMS has currently forged partnerships with 48 institutions across 20 diverse countries.



Lithuania is captivating due to its contrast with our own reality. In Vilnius, an abundance of entertainment awaits – local festivals and markets define the essence of the city, along with the traditions that deeply immerse us in the rich cultural scene of the country."

Carlota Franco
Vilnius University - Lithuania



Studying in Poland has been a unique academic and cultural experience. The university emphasizes dynamic and collaborative teaching, which led me to meet people from all over Europe. I travelled throughout the country and its surroundings and made friendships that last to this day!"

Afonso Pereira
Nicolaus Copernicus University - Poland

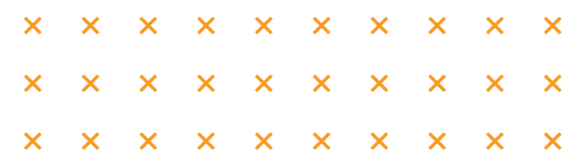


Companies recognize the value of our students

NOVA IMS is proud to have contributed to the training of excellent professionals in the national and international labor market.

Based on the perspective of promoting the employability of our graduates and an effective interconnection with the business world, NOVA IMS has been developing cooperation ties with companies and other public and private institutions, through the concession of internships and job offers, thus aiming to insert graduates into working life.

Here we present some of the companies that have recruited and made internships available to our students.



At NOVA IMS academic life is unforgettable



You can count on the NOVA IMS Student Association (NOVA IMS Students' Union) to give you the best years of your life. Whether through social events like the welcoming of new students, great academic festivals, or the NOVA IMS Gala, or through the promotion of sports in various modalities, including an indoor football team, we are here to enhance your experience. As a member, you'll enjoy a wide range of benefits. Meet us in person or through our official social networks.



AD NOVA IMS is the Association for the Development of the NOVA Information Management School.

It is currently made up of 10 public and private institutions that are involved in the academic life of NOVA IMS, through different initiatives such as merit scholarships, internships, research projects, organization of conferences and events, advanced training courses and research seminars, responding to concrete business needs.

AD NOVA IMS plays a crucial role in bridging the academic world and society by publicizing job offers and closely monitoring the employability and professional journeys of graduate students.

We support your success in the job market

Partners:



At NOVA IMS we reward excellence



We reward students who excel upon entry to their degree programs and who work to exceed expectations during their academic careers.

Prizes awarded upon entry to the course*

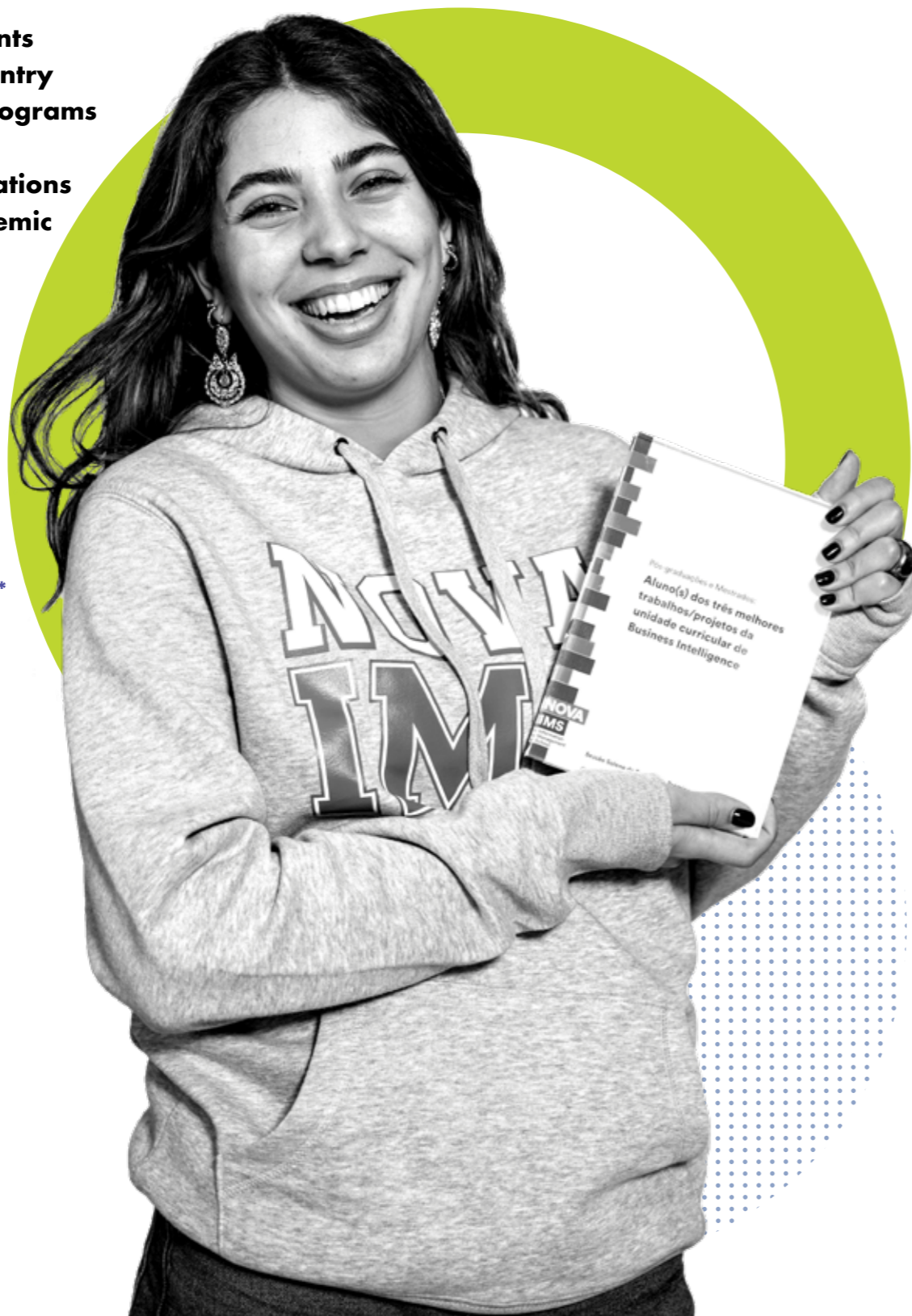
Jerónimo Martins

€1.000

Best Application Grade of each bachelor's degree

prize in the amount of the **Tuition fee****

Application prize awarded to all students whose average entry is 18 or more⁽¹⁾



€1.500

Best Student Finalist of bachelor's degree**

Bachelor's Degrees in Information Management and Information Systems



€1.500

Best Student of Machine Learning***

UC of the Bachelor's Degrees in Information Management and in Information Systems



GIS Project Institutional Support⁽²⁾

For the best student of the Geospatial Intelligence UC of the Bachelor's Degree in Information Systems***



€2.000

Best Students (Group Project)***

In the Information Systems Project Course Unit of the Bachelor's Degree in Information Systems



€1.500

Best Student of Course Unit**

Business Process Management (of the Bachelor's Degrees in Information Management and Information Systems) and in Processes Intelligence (Bachelor's Degree in Data Science)



Scholarship Best Student of Bachelor's Degrees⁽³⁾

Scholarship with value to be defined

Awards for students whose average is equal to or higher than 16.5

1st Year

€700

60 or more approved ECTS

2nd Year

€700

120 or more approved ECTS

3rd Year

€3.000

of discount⁽⁴⁾

180 or more approved ECTS

*Prizes awarded to students admitted in 2024/2025 through the National Contest for Access to Higher Education and conditioned to registration and enrolment in the 1st school year of the bachelor's degree.

** Not cumulative with the award for the best application grade of each bachelor's degree, offered by Jerónimo Martins, and exclusive to students admitted through the National Contest for Access to Higher Education.

***Prizes in force in the school year 2023-24. Please access www.novaims.unl.pt/premios-de-merito to confirm the most recent updates.

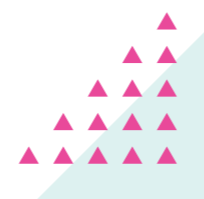
(1) Prize corresponding to the 1st year tuition fee.

(2) 10 days of institutional support through a Technological Mentor at the Esri facilities for the implementation of a GIS project.

(3) The amount of the grant is 5 times the national minimum wage in force in the academic year in which prize is attributed

(4) The value of the tuition for a master's degree to be attended at the NOVA IMS. Not cumulative with Alumni discount. Cumulative with financial discount.

We are here for you



AD NOVA IMS

Internships and Employability Office, International Mobility Office

Within the scope of AD NOVA IMS, the Internships and Employability Office's main objective is to bring NOVA IMS students closer to the job market, establishing and developing relationships with companies and publicizing job/internship offers.

Through the International Mobility Office, AD NOVA IMS is also responsible for promoting activities related to Erasmus mobility.

Value Creation Office

NOVA IMS' Value Creation Office is based on four essential pillars: Executive Education, Entrepreneurship, Knowledge Transfer, and Career Design & Mentoring. Each of these pillars offers a wide range of opportunities for students. The office's main mission is to promote innovation through knowledge. Drawing on the experience cultivated at NOVA IMS, programs and initiatives are proposed for both students and organizations.

Library and Documentation Services

Specialized in Information Management, NOVA IMS Library and Documentation Services aim to provide students access to documentation and information required for the development of their academic and scientific activities.

The library provides versatile workspaces and multiple current bibliographic resources, from emerging scientific areas.

Academic Services

The Academic Services perform activities in the educational domain, academic monitoring of students and examination to obtain titles and degrees.

NOVA IMS offers a Virtual Secretariat where students can consult all documents, program regulations, school operation procedures, and request the issuance of documents, avoiding a trip to school.



Informatic Services

NOVA IMS IT Services provide students with Helpdesk support, from 8 a.m. to 10:30 p.m. daily, and supply a set of software for educational and research purposes.

Student's Support Office

The Students' Support Office assesses suggestions, ideas, requests for information and complaints, ensuring that they are addressed by the relevant departments. Students can also go to this office to obtain clarification of doubts and all other useful information for their academic career.

Social Action Services

SASNOVA is responsible for allocating scholarships to students in need, promoting access to accommodation for displaced students, promoting access to food for students through canteens and snack bars, as well as for providing medical, psychiatric, psychological and nutritional consultations.

BACHELOR'S DEGREES

2024/25



Entry Requirements for the National Contest for Access to Higher Education

Application Grade Formula

Secondary School Grade: 65%

Entry Exam Subject: 35%

Establishment Code

0906 - Universidade Nova de Lisboa - Instituto Superior
de Estatística e Gestão de Informação

Minimum Grades

Application Grade: 100 points

Entry Grade: 95 points

We're Here!

Campus de Campolide,
1070-312 Lisboa, Portugal
Tel: +351 213 828 610

Contacts

Any questions? Talk to us!

admissions@novaims.unl.pt



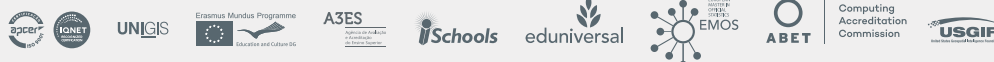
Join us for an

Incredible Memorable Sensational Experience



Register here

Accreditations and Certifications



Co-Financed



www.novaims.unl.pt/licenciaturas