

HIGHLIGHTS

Program name

Master of Science in Data Analytics and Artificial Intelligence in Health Sciences (DAIHS)

Program Directors

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Program duration number

2 year

CFU

120 CFU

Language available

English

Places

50

Overview

DAIHS is a two-years course specifically focuses on the intersection between data science, medicine, and life sciences, aiming to train a professional with advanced knowledge in data analytics, machine learning, artificial intelligence and with all the necessary Knowledge to apply these advanced skills withing hospitals, research laboratories, companies and regulatory bodies.

ADMISSION PROCEDURES

1. Academic requirements

To apply candidates should:

- a. hold a Bachelor's Degree which complies with the requirements listed in the Annex A or a higher level qualification (i.e. Master's Degree or Medicine Degree);
or
- b. be enrolled to the last year of a Bachelor's Degree, terminating before December 31st 2025. These candidates may receive a conditional admission. The enrollment will be confirmed when meeting the requirement;
and
- c. have obtained at least 30 credits in specific academic subjects (*settori scientifico-disciplinari* as coded by the Italian regulation), of which at least 18 related to STEM (Science, Technology, Engineering and Mathematics) subjects as per the list below (the STEM disciplines are underlined).
Students who have not completed the requirements when applying are allowed to match them by December 31st 2025;
- d. hold an English language certification with minimum score B2 of the Common European Framework of Reference for Languages (CEFR) as specified in the Annex B by July 31st 2025.

For non-Italian Degrees the evaluation of the academic subject requirements will be carried out in terms of academic content, duration and credits.

Subject List

Statistics

SECS-S/01 Statistics

SECS-S/02 Statistics for experimental and technological research

SECS-S/03 Economic statistics

SECS-S/04 Demography

SECS-S/05 Social statistics

SECS-S/06 Mathematical methods of economy, finance and actuarial sciences

Mathematics and informatics

MAT/01 Mathematical logic

MAT/02 Algebra

MAT/03 Geometry

MAT/04 Mathematics education and history of mathematics

MAT/05 Mathematical analysis

MAT/06 Probability and statistics

MAT/07 Mathematical physics

MAT/08 Numerical analysis

MAT/09 Operational research

INF/01 Informatics

Information engineering

ING-INF/05 Information processing systems

ING-INF/06 Electronic and informatics bioengineering

Physics

FIS/01 Experimental physics

FIS/02 Theoretical physics, mathematical models and methods

FIS/07 Applied physics

Biology

BIO/06 Comparative anatomy and cytology

BIO/09 Physiology

BIO/10 Biochemistry

BIO/11 Molecular Biology

BIO/12 Clinical biochemistry and molecular biology

BIO/13 Experimental biology

BIO/14 Pharmacology

BIO/15 Pharmaceutical biology

BIO/16 Human Anatomy

BIO/17 Histology

BIO/18 Genetics

BIO/19 General microbiology

Medicine

MED/01 Medical Statistics

MED/03 Medical Genetics

MED/04 Experimental medicine and pathophysiology

MED/05 Clinical pathology

MED/06 Medical Oncology

MED/07 Microbiology and clinical microbiology

MED/08 Pathology

MED/18 General surgery

MED/36 Diagnostic imaging and radiotherapy

MED/41 Anaesthesiology

MED/42 Hygiene and public health

2. How to apply: deadlines and modalities

Applications can be submitted in two different rounds:

1st Application round: from November 18th 2024 to January 17th 2025;

2nd Application round: from February 17th 2025 to April 18th 2025.

The online application procedure consists of the following steps:

1. **On-line registration to the Humanitas University Registration Portal** (<https://humanitas-admission.ilmiotest.it>): candidates must register to the web portal by entering their name, surname and e-mail address. After receiving the first e-mail of the Microsoft authentication process, it is necessary to click on "Accept invitation" and complete the registration by requesting the single-use access code.

- N.B.** candidates have to request a single-use access code for each access;
2. **Application procedure:** after completing the registration to the portal, candidates must apply to the Program by the deadlines mentioned above. Candidates must log in, enter the required data in the "Personal Details" section, click on the menu item "Apply" and select the Master of Science in Data Analytics and Artificial Intelligence in Health Sciences Program;
 3. **Upload of the academic documentation and payment of the application fee:** the candidates upload the academic documentation required for evaluation and complete the payment of the application fee.

Fee: The application fee is € 100. This amount must be paid by January 17th 2025 in order to apply for the first round and by April 18th 2025 in order to apply for the second round. The payment must be completed **exclusively via credit card**.

The application procedure is completed once the application fee is paid.

The application fee is not refundable under any circumstances.

3. Required academic documentation

When applying candidates are required to upload the following data and documentation:

- Curriculum Vitae;
- Motivational Letter;
- Details of the Bachelor's Degree;
- Copy of the Degree original certificate or copy of the Diploma Supplement (for graduated students only);
- Transcript of Records with the list of all exams – both passed and yet to take - with the relevant grades and credits (including *settori scientifico-disciplinari* for Italian Degrees);
- Local grading scale issued by the University awarding the Degree.

All documents must be either in Italian or English language. If they are issued in another language, candidates must upload official translations in Italian or English language.

4. Evaluation of the applications

Applications are evaluated by the Admission Committee considering the previous academic career and the student's overall profile

At the end of each round, the Committee draws up an admission list which determines if a candidate is admitted/non-admitted.

5. Admission list publication

First round: by February 14th 2025;

Second round: by May 16th 2025.

Candidates may visualize their admission status (admitted/not admitted) through the University web portal MyPORTAL, by accessing the reserved area and clicking on the menu item

"Admission tests" from the "Student Office" section.

6. Online enrolment for the academic year 2025/2026

All admitted candidates receive an e-mail which includes the enrolment procedure and deadline from info@hunimed.eu.

It is mandatory to complete the payment of the first instalment – **€ 2.656,00** – by the above-mentioned deadline, **on penalty of exclusion**. The amount includes the regional tax, currently 140 Euro worth, that may be subject to increase. In this event the first instalment will be increased accordingly and admitted candidates will receive a relevant communication.

The first instalment cannot be reimbursed.

Candidates who have been admitted must finalize the on-line enrolment procedure by:

1. Uploading the following documents to the online portal (MyPORTAL):
 - Photocopy of Passport;
 - Photocopy of tax code (Codice Fiscale);
 - Passport-size picture.
2. Providing a self-declaration of the Degree Diploma they have obtained.
3. Fully accepting the privacy policy and economic conditions specified in the Call for Application and in the University Fee Regulation.

If the Admisison Office does not have enough elements of evaluation to verify the academic career of the candidates, they will be asked to submit also the Declaration of Value of their degree or valid alternative certifications such as statement of comparability issued by CIMEA.

Once enrolled at Humanitas University, students with previous university careers can submit their curriculum and request the recognition of credits obtained at other institutions. Recognition is subject to evaluation, according to the procedure which will be shared at the beginning of the Program.

ANNEX A

A Bachelor's Degree is considered valid if it matches the following requirements:

- 180 educational credits (ECTS);
- a length of **at least 3 years**;
- **comparable** to an **Italian Bachelor Program**;
- **issued** by a foreign University that is recognized within the educational system of the Country issuing the degree which allow continuing studies in a **post-graduate (II level) program**
(i.e. an undergraduate degree issued by a US University in Greece must be recognized as valid for the purposes of continuing studies in a post-graduate program in the United States).

A first cycle degree from a **Bocconi Partner University** ([.pdf](#)) is considered valid as well.

ANNEX B

The English language requirement is met if the candidate holds one of the following:

- University qualification (or secondary school diploma) awarded in English **or**
- One of the recognized international English language certificates listed in the table below **or**
- English exam at B2 level (or higher) passed in a university course.

Recognized certificates	Test administrator	Minimum score required
BEC Higher Business English Certificate Higher	Cambridge Assessment English	173
BEC Vantage Business English Certificate Vantage	Cambridge Assessment English	Grade B or 173
CAE Certificate in Advanced English	Cambridge Assessment English	173
CPE Certificate of Proficiency in English	Cambridge Assessment English	180
FCE First Certificate in English	Cambridge Assessment English	B or 173
IELTS academic International English Language Testing System	British Council, IDP IELTS Australia, Cambridge Assessment English	6.5 with at least 6 in every section
TOEFL IBT Test of English as a foreign language - internet based test	(ETS) Educational Testing Service	88
Duolingo English test	Duolingo	110
English Mother tongue*	-	-

*Please note that students who are nationals from a majority English-speaking country are automatically assumed to meet the minimum English Language requirement. These countries are, for example, Australia, Canada, New Zealand.