## HIGHLIGHTS

### Program name

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

### Program Directors

Prof. Letterio Salvatore Politi
Prof. Marco Bonetti

| Program duration | CFU |
|---|---|
| 2 years | 120 CFU |

| Language | Places |
|---|---|
| English | 50 |

### Overview

DAIHS is a two-year course specifically focused 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 within hospitals, research laboratories, companies and regulatory bodies.

## ADMISSION PROCEDURES

### 1. Academic requirements

In order to apply candidates are required to:

1.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 Degree in Medicine);

or

1.B. be enrolled to the last year of a Bachelor's Degree, terminating before October 31st 2027. These candidates may receive a conditional admission and their enrollment will be confirmed when obtaining the Bachelor's Degree;

**and**

2. obtain 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 obtained the above-mentioned credits when applying must meet the requirement by October 31st 2027;

3. 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 2027.

For non-Italian Degrees the evaluation of the academic subject requirements will be carried out considering the academic contents, their duration and number of credits.

### Subject List

**Statistics**

SECS-S/01 - STAT-01/A Statistics
SECS-S/02 - STAT-01/B Statistics for experimental and technological research
SECS-S/03 - STAT-02/A Economic statistics
SECS-S/04 - STAT-03/A Demography
SECS-S/05 - STAT-03/B Social statistics
SECS-S/06 - STAT-04/A Mathematical methods of economy, finance and actuarial sciences

**Mathematics and informatics**

MAT/01 - MATH-01/A Mathematical logic
MAT/02 - MATH-02/A Algebra
MAT/03 - MATH-02/B Geometry
MAT/04 - MATH-01/B Mathematics education and history of mathematics
MAT/05 - MATH-03/A Mathematical analysis
MAT/06 - MATH-03/B Probability and statistics
MAT/07 - MATH-04/A Mathematical physics
MAT/08 - MATH-05/A Numerical analysis
MAT/09 - MATH-06/A Operational research
INF/01 - INFO-01/A Informatics

**Information engineering**

ING-INF/05 - IINF-05/A Information processing systems

ING-INF/06 - IBIO-01/A Electronic and informatics bioengineering

**Physics**

FIS/01 - PHYS-01/A Experimental physics

FIS/02 - PHYS-02/A Theoretical physics, mathematical models and methods

FIS/07 - PHYS-06/A Applied physics

**Biology**

BIO/06 - BIOS-04/A Comparative anatomy and cytology
BIO/09 - BIOS-06/A Physiology
BIO/10 - BIOS-07/A Biochemistry
BIO/11 - BIOS-08/A Molecular Biology
BIO/12 - BIOS-09/A Clinical biochemistry and molecular biology
BIO/13 - BIOS-10/A Experimental biology
BIO/14 - BIOS-11/A Pharmacology
BIO/15 - BIOS-01/D Pharmaceutical biology
BIO/16 - BIOS-12/A Human Anatomy
BIO/17 - BIOS-13/A Histology
BIO/18 - BIOS-14/A Genetics
BIO/19 - BIOS-15/A General microbiology

**Medicine**

MED/01 - MEDS-24/A Medical Statistics
MED/03 - MEDS-01/A Medical Genetics
MED/04 - MEDS-02/A Experimental medicine and pathophysiology
MED/05 - MEDS-02/B Clinical pathology
MED/06 - MEDS-09/A Medical Oncology
MED/07 - MEDS-03/A Microbiology and clinical microbiology
MED/08 - MEDS-04/A Pathology
MED/18 - MEDS-06/A General surgery
MED/36 - MEDS-22/A Diagnostic imaging and radiotherapy
MED/41 - MEDS-23/A Anaesthesiology
MED/42 - MEDS-24/B Hygiene and public health

## 2. How to apply: deadlines and modalities

Applications may be submitted in two different rounds:

**1st Application round:** from October 19th 2026 to January 29th 2027;

**2nd Application round:** from February 1st 2027 to April 30th 2027.

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 option "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 must upload the academic documentation required for the evaluation and complete the payment of the application fee.

At the end of the procedure, the candidate must pay, **exclusively by credit card**, the registration fee of € 100.00. The application procedure is completed, and the candidate profile may be evaluated, 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 Diploma 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 (for **non-Italian Degrees**).

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

**4. Evaluation of the applications and admission outcomes**

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

Applications will be reviewed on a **first-come, first-served basis**. Each applicant will be notified by email of the outcome of the admission process within a maximum of three weeks from the date of submission of the application.

**5. Online enrolment for the academic year 2027/2028**

All admitted candidates also 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 – **€ 2.706,00** – by the deadline specified in the e-mail, **on penalty of exclusion**.

**The first instalment cannot be reimbursed**.

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

1. Uploading the following documents through MyPORTAL:
   - Photocopy of Passport – mandatory;
   - Photocopy of tax code (Codice Fiscale) – mandatory only for **candidates who already hold it**;
   - Passport-size picture – mandatory;
   - Signed copy of the acceptance letter – mandatory;

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 Admission 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 the 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;**
- **awarded** by a foreign university recognized within the educational system of the country that issues the Degree. This recognition should allow the Degree holder to continue their studies in a postgraduate (second-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 Degree (or secondary school diploma) awarded in English **or**
- English exam at B2 level (or higher) passed in a university course **or**
- One of the recognized international English language certificates listed in the table below.

| **Recognized certificates** | **Test administrator** | **Minimum score required** |
|---|---|---|
| **BEC Higher**<br>Business English Certificate Higher | Cambridge Assessment English | 173 |
| **BEC Vantage**<br>Business English Certificate Vantage | Cambridge Assessment English | Grade B or 173 |
| **CAE**<br>Certificate in Advanced English | Cambridge Assessment English | 173 |
| **CPE**<br>Certificate of Proficiency in English | Cambridge Assessment English | 180 |
| **FCE**<br>First Certificate in English | Cambridge Assessment English | B or 173 |
| **IELTS academic**<br>International English Language Testing System | British Council, IDP IELTS Australia, Cambridge Assessment English | 6.5 with at least 6 in every section |
| **TOEFL IBT**<br>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.