

Master's degree in Health Data Science

The **master's degree in Health Data Science (MHEDAS)** ([master's degree website](#)) is a master's programme in which 7 Catalan universities participate (URV, the coordinating university, and UPC, UB, UAB, UdG, UdL and UVic-UCC), the Université Grenoble Alpes and that was set in motion by the association Bioinformatics Barcelona (BIB). It is taught entirely in English and has a clear international vocation.

The official interuniversity master's degree is designed to meet this expected demand and has the following main objectives:

- to train data scientists to manage and analyse large volumes of health data, and to provide solutions with an impact on the improvement of health care.
- to provide the interdisciplinary training necessary to identify and valorise the opportunities of data science applied to health challenges.
- to train entrepreneurs in the field of digital health in Europe who can create the necessary tools to manage, analyse and extract information from big data in the clinical environment and identify business opportunities.

GENERAL DETAILS

Duration and start date

2 years, 120 ECTS credits. Starting September

Timetable and delivery

Distance

Language of instruction

English

Information on [language use in the classroom and students' language rights](#).

ADMISSION

General requirements

[Academic requirements for admission to master's degrees](#)

Places

80

Pre-enrolment

To enrol for an interuniversity master's degree coordinated by a university other than the UPC, you must enrol through the coordinating university:

[Universitat Rovira i Virgili \(URV\)](#)

PROFESSIONAL OPPORTUNITIES

Professional opportunities

Graduates of the interuniversity master's degree in Biomedical Data Science will be qualified to work in the public sector (government agencies, universities, research centres and large scientific infrastructure, hospitals, hospital research centres) and the private arena (technology-based, pharmaceutical, consulting and insurance companies) in the following main areas:

- project and technical management
- scientific programming
- scientific and technical consultancy
- research
- academia

Competencies

Generic competencies

Generic competencies are the skills that graduates acquire regardless of the specific course or field of study. The generic competencies established by the UPC are capacity for innovation and entrepreneurship, sustainability and social commitment, knowledge of a foreign language (preferably English), teamwork and proper use of information resources.

ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS

UPC school

[Barcelona School of Industrial Engineering \(ETSEIB\)](#)

Participating institutions

[Universitat Politècnica de Catalunya \(UPC\)](#)

[Universitat Autònoma de Barcelona \(UAB\)](#)

[Universitat de Barcelona \(UB\)](#)

[Universitat de Girona \(UdG\)](#)

[Universitat de Lleida \(UdL\)](#)

[Universitat de Vic \(UVIC\)](#)

[Universitat Rovira i Virgili \(URV\)](#) - **coordinating** university

[Université Grenoble Alpes \(UGA\)](#)