Master's degree in Biomedical Data Science

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

It aims to produce professionals and scientists specialised in biomedical data science who are able to manage, integrate, analyse and extract information from the big data that are generated in relation to health and healthcare and who can therefore contribute to the advancement of precision medicine.

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.

Location
Universitat Rovira i Virgili (URV)

ADMISSION

General requirements
Academic requirements for admission to master's degrees

Places
50

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

December 2022. UPC. Universitat Politècnica de Catalunya · BarcelonaTech