

Bachelor's degree in Bioinformatics (interuniversity UPF-UPC-UB degree)

The **bachelor's degree in Bioinformatics**, which is taught entirely in English, aims to produce professionals in bioinformatics, a field that applies computer science and information technology to the processing of biological data. It has become a strategic field because of the enormous amounts of biological data that health professionals have to deal with; the ability to manage, visualise and analyse these big data offers opportunities for improving their understanding of the occurrence and progression of disease, for identifying new treatment strategies and for improving health and health care. On the degree, you will be trained in subjects that are computational and scientific in nature and you will gain a solid grounding in biology, including integrated knowledge of biological systems and their design principles, but with an emphasis on mathematical and biostatistic processing of large amounts of data and its biomedical applications.

It is the first interuniversity bachelor's degree in bioinformatics taught in Spain and is coordinated by the [Pompeu Fabra University](#) (UPF). It is taught by the [School of International Studies](#) (ESCI-UPF), which is affiliated with the UPF, and includes specific training at the Faculty of Biology of the [University of Barcelona](#) (UB) and the UPC's [Barcelona School of Informatics](#) (FIB).

GENERAL DETAILS

Duration

3 years

Study load

180 ECTS credits (including the bachelor's thesis). One credit is equivalent to a study load of 25-30 hours.

Delivery

Face-to-face

Language of instruction

English

Fees and grants

€ 7920 (academic year)

[Consult the public fees system based on income \(grants and payment options\).](#)

Scholarships

[ESCI-UPF Scholarships, awards and assistance](#)

Location

[Barcelona School of Informatics \(FIB\)](#)

Official degree

[Recorded in the Ministry of Education's degree register](#)

ADMISSION

Places

40

Registration and enrolment

[What are the requirements to enrol in a bachelor's degree course?](#)

Legalisation of foreign documents

All documents issued in non-EU countries must be [legalised and bear the corresponding apostille](#).

PROFESSIONAL OPPORTUNITIES

Professional opportunities

- R&D departments in companies devoted to medical technology, biotechnology, health care and biomedicine in general.
- Pharmaceutical industry: computer support for the development of new products and treatments.
- Process simulation and analysis and management of medical data.
- Teaching and research in the field of bioinformatics.

ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS

Academic calendar

[General academic calendar for bachelor's, master's and doctoral degrees courses](#)

Academic regulations

[Academic regulations for bachelor's degree courses at the UPC](#)

Language certification and credit recognition

Queries about [language courses and certification](#)

Barcelona School of Informatics (FIB)

CURRICULUM

March 2021. [UPC](#). Universitat Politècnica de Catalunya · BarcelonaTech