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

2017-2018 academic year

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).

### INTRODUCTION

**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

### 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

- 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
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

November 2017. UPC. Universitat Politècnica de Catalunya · BarcelonaTech