Bioinformatics appears because of the need of analysing great amounts of complex medical and biological data. This data analysis needs using and developing specialised tools in sectors such as agriculture, stockbreeding, food and especially health.

Accept the challenge.

Who is it addressed to?

Students who hold technology or biology degrees, for example:
- Degree in Biotechnology
- Degree in Biology
- Degree in Medicine
- Degree in Pharmacy
- Degree in Biochemistry
- Degree in Computer Science
- Degree in Multimedia Engineering
- Degree in Maths

What will you learn in the MBI?

Computing
- Python programming
- Development and use of SQL databases
- Linux operating system
- Use of large IT equipment
- New algorithms for bioinformatics data management
- Parallel programming

Biology
- Genetics
- Biochemistry
- Evolution

Mathematics
- Biostatistics
- Programming with R

Bioinformatics
- Evolutionary bioinformatics
- Omics data management
- Structural bioinformatics
- Web and bioinformatics data repositories
- Applied in silico studies in biomedicine (personalised medicine)
- Computational systems biology

Access the challenge.
Master's Degree in Bioinformatics

2 years (90 ECTS)
Three semesters
26 places

Studying the MBI at ETSE-UV

- High level of knowledge in Bioinformatics
- Experienced university staff in teaching, research and transference
- El 30% of external teaching staff
- Educational and extracurricular internships in companies and research laboratories
- Contact with the main national researchers in Bioinformatics
- Maximum of 26 students
- Seminars taught by top professionals in the sector

Career opportunities

- National and international research centres
- Biotechnology companies
- Hospitals

Connection with doctoral studies

The Master's Degree in Bioinformatics is related to three doctoral programmes of the UV:

- Doctoral Programme in Information Technologies, Communications and Computing
- Doctoral Programme in Biomedicine and Biotechnology
- Doctoral Programme in Medicine