Bioinformatics is essential to give meaning to the huge mass of biological data that is being produced in the post-genomic era, playing a prominent role in the biomedical and biotechnological research of this century.

Bioinformaticians are highly qualified and demanded professionals. They enjoy many positions available on leading research fields as genomics, personalized medicine, drug discovery, biotechnology, crop improvement and other health science research fields.

You will enjoy a novel learning experience...

- Intensive one-year master’s program (60 ECTS).
- All classes are in English.
- Highly practical orientation. Professionals ready to succeed.
- Expertise areas in Genomics, Drug Discovery and High Performance Computing.
- Faculty are leaders of international research groups.
- Prestigious visitor professors from Academy and Industry.
- Bioinformatics resources and information technologies are integrated along the learning process.
- Teamwork projects. Students will be able to engage in multidisciplinary work teams conducting bioinformatics analyses of real data provided by research centers and corporate partners.
- Student’s Portfolio to evaluate their progress.
- Integrated knowledge. For each program module, activities and practices are integrated, step by step, in real bioinformatics projects.
- Student mentoring program. Advise and personalized support to applicants and students.
- Professional Practices during 3 -6 months in leader research groups and internacional bioinformatics companies.
- Networking and job vacancies. Open positions offered by research groups and international companies.
MSc in Bioinformatics for genomics and drug design

Program content and structure

Module 1
Programming in Bioinformatics (6 ECTS)

Module 2
Core Bioinformatics (12 ECTS)

Module 3
Genomics (12 ECTS)

Module 4
Structure and Function of Proteins and Drug Design (12 ECTS)

Module 5
High Performance Computing in Bioinformatics (12 ECTS)

Module 6
Professional Practice (15 ECTS)

Module 7
Master Thesis (15 ECTS)

Compulsory modules
Elective modules (select only one module)

For more information about the program, admission, tuition and fees, and financial aid, contact us in:

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