

The master's degree programme in Biomedical Research focuses on the study of the molecular, cellular, physiological and evolutionary foundations of biological processes and their pathological or adaptive alterations.

www.upf.edu/mastersdegrees
www.upf.edu/postgraubiomed



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— Master in Biomedical Research

Application period

From November to June,
online at
www.upf.edu/masterdegrees

Duration

1 academic year
(60 ECTS credits)

Academic year

From September to June

Schedule

Theoretical subjects: from mid-September to the third week of December (except two optional subjects taught in the second and third terms). Four hours of face-to-face classes a day between 8.30 a.m. and 4 p.m.
Practicum: from January to July (full-time activity comprising a minimum of 40 hours per week)

Course type

Research, professional and academic

Language

English

Places

35

Organized by

Department of Experimental and Health Sciences
www.upf.edu/cexs/

Location

Mar Campus (UPF)

Master's programme secretary's office

masters.dcexs@upf.edu

Who is it for?

The programme is chiefly for holders of bachelor's degrees in biology, biochemistry or biotechnology, although students with bachelor's degrees in medicine, chemistry, engineering, pharmacy and nursing have also successfully completed it. Students must have a solid grounding in and/or the ability to grasp and work with the concepts of cell function and molecular interactions (proteins, nucleic acids).

The programme is primarily, although not exclusively, aimed at students seeking to pursue doctoral studies in different areas of biomedicine.

Admission requirements

To be admitted to the programme, applicants must firstly contact a research group and obtain a letter of acceptance stating that they may carry out their six-month master's degree project within the group in question. They must then submit proof of such acceptance and a summary of their proposed project. The programme's research projects may be carried out within research groups based at UPF or at other universities or centres in Spain or abroad.

Career prospects

→ The primary aim of this programme is to serve as a starting point for a doctoral thesis. Most of the students who complete it (more than 80%) go on to take UPF's doctorate in Biomedicine.

Scholarships and grants

- One grant awarded by the Catalunya-La Pedrera Foundation to one master's degree programme student of Spanish nationality.
- Two registration fee grants worth €2,000 each for the academic year 2015-2016.
- For information on other grants for master's degree programmes, see www.upf.edu/master-grants.

Curriculum



Compulsory training activities (50 ECTS credits)

Molecular and Cellular Pathology

Molecular Pathology of Systems

Introduction to the Design of Research Projects

Master's Degree Final Project

Optional subjects (students must choose subjects worth a total of 10 ECTS credits)

Genes and Cell Function

Cell Communication

Genomes and Systems

Model Organisms in Biomedicine

Breakthroughs in Neurosciences

Elements of Biocomputing

Scientific Communication

Introduction to Biomedicine

Advanced Seminars in Biomedical Research

Science in Action