Master's degree in Atomistic and Multiscale Computational Modelling in Physics, Chemistry and Biochemistry

The master's degree in Atomistic and Multiscale Computational Modelling in Physics, Chemistry and Biochemistry, coordinated by the Universitat de Barcelona (UB) and with the UPC as a participant, is an interuniversity master's degree that provides advanced training in programming tools and the application of various techniques and models to the study of problems in physics, chemistry and biochemistry in which the atomic or molecular structure and properties of matter are relevant. It is oriented towards advanced, fundamental or applied research and employment in the R&D departments of institutions and companies in the technology, pharmaceutical, environmental and energy sectors that analyse complex systems and networks.

GENERAL DETAILS

Duration and start date
1 academic year, 60 ECTS credits. Starting September

Timetable and delivery
Mornings and afternoons. Face-to-face

Language of instruction
Subjects will be taught in Catalan, Spanish or English, depending on the student's level of comprehension and on the teaching objectives of the master's degree course.

Location
Faculty of Chemistry (UB)
Faculty of Physics (UB)
Barcelona School of Informatics (UPC)

Official degree
Recorded in the Ministry of Education's degree register

ADMISSION

General requirements
Academic requirements for admission to master's degrees

Pre-enrolment
To enrol for an interuniversity master’s degree coordinated by a university other than the UPC, you must enrol through the coordinating university:
Universitat de Barcelona (UB)

ORGANISATION

UPC school
Barcelona School of Informatics (FIB)

Participating institutions
Universitat Politècnica de Catalunya (UPC)
Universitat de Barcelona (UB) - Coordinating university