

# 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** ([master's degree website](#)), 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.

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## GENERAL DETAILS

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### 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](#)

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## ADMISSION

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### 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 \(UB\)](#)

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## ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS

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### UPC school

[Barcelona School of Informatics \(FIB\)](#)

### Participating institutions

[Universitat Politècnica de Catalunya \(UPC\)](#)  
[Universitat de Barcelona \(UB\)](#) - **coordinating** university

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