

# Erasmus Mundus master's degree in Bio and Pharmaceutical Materials Science (BIOPHAM)

The **Erasmus Mundus BIOPHAM master's degree** ([master's degree website](#)) is a two-year programme taught entirely in English. The aim of the programme is to meet international demand for qualified graduates with high-level theoretical and applied training in materials science, the physics and chemistry of materials and the application of these disciplines to pharmaceuticals. BIOPHAM was developed by a consortium of four renowned European universities, and it benefits from the involvement of an extensive international network of companies, large-scale facilities and associated universities.

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## GENERAL DETAILS

### Duration and start date

Two academic years, 120 ECTS credits

### Timetable and delivery

Face-to-face

### Language of instruction

English

Information on [language use in the classroom and students' language rights](#).

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## ADMISSION

### General requirements

[Academic requirements for admission to master's degrees](#)

### Places

25

### 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:

[Université de Lille](#)

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## PROFESSIONAL OPPORTUNITIES

### Professional opportunities

The BIOPHAM master's degree will help address a severe shortage of human resources in the research-based pharmaceutical sector, which includes academic centres, large pharmaceutical companies, SMEs, spin-offs, start-ups, contract research organisations and drug manufacturers.

### Competencies

#### Generic competencies

Generic competencies are the skills that graduates acquire regardless of the specific course or field of study. The generic competencies established by the UPC are capacity for innovation and entrepreneurship, sustainability and social commitment, knowledge of a foreign language (preferably English), teamwork and proper use of information resources.

The BIOPHAM master's degree provide all students with various transversal skills such as competencies in entrepreneurship, project management, economic and strategic intelligence, marketing, bibliographical search and

synthesis. Students also have opportunities to acquire other soft skills (intercultural communication, research experience and scientific communication, national language of their host universities) enabling them to easily adapt to their future international professional environment.

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## ORGANISATION: ACADEMIC CALENDAR AND REGULATIONS

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### European programme

Erasmus Mundus

### UPC school

[Barcelona School of Telecommunications Engineering \(ETSETB\)](#)

### Participating institutions

[Universitat Politècnica de Catalunya \(UPC\)](#)

[Università di Pisa](#)

[Université de Lille - \*\*coordinating\*\* university](#)

[University of Silesia in Katowice](#)