

# Master's degree in Pure and Applied Logic

The **master's degree in Pure and Applied Logic** ([master's degree website](#)), coordinated by the **Universitat de Barcelona (UB)** and with the **UPC as a participant**, provides a solid background in advanced logic, both pure and applied. Its courses cover a wide variety of areas, from mathematical logic and applications to computer science, artificial intelligence and computational linguistics. In addition, two foundation courses are offered to students who require a basic introduction to logic or mathematics.

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## GENERAL DETAILS

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### Duration and start date

1.5 academic years, 90 ECTS credits. Starting September

### Timetable and delivery

Mornings and afternoons. Face-to-face

### Language of instruction

English

### 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](#)

### Places

<http://www.ub.edu/masterlogic/2018/index-e.html>

### 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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## PROFESSIONAL OPPORTUNITIES

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### Professional opportunities

This master's degree promotes the acquisition of skills required for a professional or academic career: creativity, analysis of complex situations, innovation, learning capabilities, research capabilities and strategic decision making. It also promotes other general skills and values such as effective communication, teamwork and professional ethics.

On completing the master's degree, students will be qualified for:

- Professional jobs requiring a high capacity for analysis of complex situations and strategic decision making.
- An academic career and research in many of the central areas in the field of logic.

### 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.

### **Specific competencies**

- Ability to carry out research and knowledge transfer in the professional sphere.
- Ability to initiate an academic career in the world of research, and particularly a doctoral course in logic at an international level.

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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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## **CURRICULUM**

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