Master's degree in Pure and Applied Logic

BARCELONA SCHOOL OF INFORMATICS (FIB)

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.

GENERAL DETAILS

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

Information on language use in the classroom and students' language rights.

Location

Barcelona School of Informatics
Faculty of Philosophy (UB)
Faculty of Mathematics and Computer Science (UB)
Facultat de Matemàtiques i Estadística

Official degree

Recorded in the Ministry of Science, Innovation and Universities

ADMISSION

General requirements

Academic requirements for admission to master's degrees

New intake 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)

CURRICULUM

PROFESSIONAL OPPORTUNITIES

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 degree or field of study. The generic competencies established by the UPC are capacity for innovation and entrepreneurship, sustainability and social commitment, teamwork, proper use of information resources, knowledge of a foreign language (preferably English) and gender perspective.

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.

QUALITY ACCREDITATION

Check the degree’s main quality indicators in the University Studies in Catalonia portal of the Catalan University Quality Assurance Agency. Find information on topics such as degree evaluation results, student satisfaction and graduate employment data.
Further information

ACADEMIC ORGANISATION

UPC school

Barcelona School of Informatics (FIB)

Participating institutions

Universitat Politècnica de Catalunya (UPC)
Universitat de Barcelona (UB) - **coordinating** university

MASTER'S DEGREE WEBSITE