TRAINING PERIOD

To access the doctoral program’s training period, students must be registered for a UB official master’s degree that is fully or partially associated with one of the subjects that constitute the training period. The Doctoral Programme Committee will approve the applications for admission to the training period once the aforementioned conditions have been met.

The application for admission will be processed by the Secretary's Office for Students and Teaching Staff at the Faculty of Mathematics on the dates determined in the yearly calendar. There are two application periods in each academic year. In their applications, students shall state which of the master’s courses that are fully or partially associated with the doctoral program they have registered for. The original and a copy of the registration receipt must be attached.

The official master’s courses of the University of Barcelona that are fully or partially associated with the program and with the subjects that constitute the program’s training period are as follows:

- **ADVANCED AND PROFESSIONAL MATHEMATICS**
  - All of the subjects in the Research specialization.

- **ARTIFICIAL INTELLIGENCE**
  - From the specialization Machine learning and self-organising models: Thesis; Seminar on artificial intelligence; Probabilistic graphical models; Self-organizing agent systems; Fuzzy logic; Minds, brains and machines; Neural networks in finance and investing.

- **PURE AND APPLIED LOGIC**
  - From the common specialization: Foundation course; Fundamentals I; Fundamentals II; Universal algebra; Algebraic logic; Applied logic; Non-classical logic; Set theory; Theory of computation; Proof theory; Model theory; Research project; Pure and applied logic.

- **HISTORY OF SCIENCE: SCIENCE, HISTORY AND SOCIETY**
  - From the common specialization: History of physics and mathematics History of mathematics; Scientific terminology; Research project design; Research project; From Frankenstein to Einstein: science and contemporary societies.

- **STATISTICS AND OPERATIONS RESEARCH**
  - All of the courses in the Biostatistics and Bioinformatics specialization.