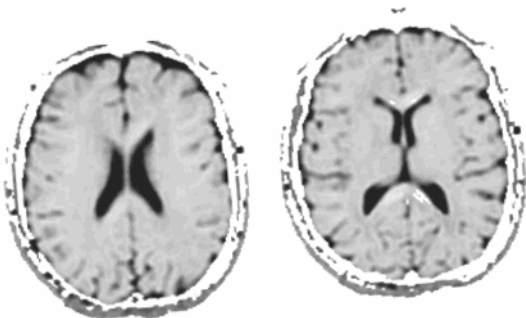


## Ph.D. in Brain, Cognition and Behavior

The **Ph.D. program in Brain, Cognition and Behavior** at the Universitat de Barcelona provides students with an exceptional opportunity to examine mind, brain, and behavior at different levels of analysis using a variety of techniques including brain imaging, animal models, computational models, experiments, surveys, and field studies. The program offers training in all the areas covered by the researchers at the Institute for Brain, Cognition and Behavior (IR3C) of the Universitat de Barcelona.

Learn more about research and training opportunities by reading descriptions of research interests at the IR3C's web pages:  
<http://www.ir3c.ub.edu/eng>.

The program is highly interdisciplinary and has been successfully completed by majors in Mathematics, Physics, Biology, Criminology, as well as medical students and Psychology majors. Admission to the program requires an official Master's degree involving at least 60 ECTS (European Credit Transfer System units) that include 20 ECTS in research training.



### For more information:

<http://www.ub.edu/estudis/mastersuniversitaris/comportament/>

[mastersoficialspsico@ub.edu](mailto:mastersoficialspsico@ub.edu)

Tel. (+34) 933 125 009



M.S. Research in  
**Behavior and Cognition**

A one year Official Master Program leading to a

Ph.D. in  
**Brain, Cognition and Behavior**

## M.S. Research in Behavior and Cognition

The Master's program in **Research in Behavior and Cognition** is an official Master's program consisting of 60 ECTS units, including 20 research ECTS. It is an intensive one-year program taught entirely in English. Only a handful of electives are available in Catalan or Spanish.

The Master's program is a standalone program that provides advanced training and hands-on experience in a variety of areas of psychological research. It introduces students to the emerging technologies and to the most important current research methodologies. No previous psychology training is required for acceptance.

The program is designed as the coursework training period for the Ph.D. program in Brain, Cognition and Behavior. As such, it provides access to the Ph.D. program for individuals who have not previously completed an official Master's program with a research component - the standard requirement for admission to a Ph.D. program.

## Recommended access profile

The profile for admission to the program is that of a graduate, with a good academic record, at least a B1 English level and with the personal motivation and discipline needed for effective job performance as a researcher in the behavioral sciences. The program encourages a multidisciplinary approach and is designed to accommodate students with a wide range of previous knowledge in the behavioral sciences and it provides sufficient training in the area even if the previous background is not in Psychology.

## M.S. program: First semester

### *Common courses*

- Regression analysis and the general linear model
- Cognitive neuroscience
- Behavior and cognition seminar I

### *Core courses (choose one course)*

- Individual differences research
- Computational models in cognition and programming skills

### *Electives (choose one course)*

- Research in psychological intervention
- Personality and cognition
- Advances in cognitive development

## M.S. program: Second semester

### *Common courses*

- Behavior and cognition seminar II

### *Core courses (choose two courses)*

- Multivariate analysis and structural equation models
- Psychological assessment research
- Human brain function
- Perception, action and consciousness

### *Electives (choose three courses)*

- Personality disorders
- Computer technology applied to psychological assessment and intervention
- Psychological research on delinquency
- Writing clinic
- Workshop in data analysis
- Workshop in neuroimaging and sensorio-motor control
- Advances in language processes and memory
- Learning and cognition

The 20 research ECTS are completed as follows:

During the first semester students perform a research practicum (10 ECTS) in one of the program's lines of research, under the guidance of one of the program's professors.

During the second semester they prepare a research project (10 ECTS) which they then present to an examining committee.

The program's research lines can be grouped as follows:

- Behavioral neuroscience
- Cognitive, Computational and Neural Function
- Development and Aging
- Emergent technologies and methods in behavioral sciences
- Individual differences and personality
- Psychotherapy research and clinical intervention
- Violence, delinquency and victimization

