



Universidad del País Vasco Euskal Herriko Unibertsitatea

PSIKOLOGIA
FAKULTATEA
FACULTAD
DE PSICOLOGÍA



MASTER IN COGNITIVE NEUROSCIENCE OF LANGUAGE

www.ehu.eus

INTRODUCTION & OBJECTIVES

Cognitive Neuroscience arises from coordinating efforts in such different areas as cognitive psychology, neuroscience, linguistics, neuropsychology, and computer science with technological advances in the fields of neuroimaging and computing. This interdisciplinary venture aims to discover the brain mechanisms that underlie psychological processes such as language. The Master's program has the following objectives:

- * To provide specialized, comprehensive and rigorous training in the Cognitive Neuroscience of Language, including topics at the frontiers of our current understanding, so that students can subsequently apply the acquired knowledge in their roles as researchers.
- * To promote students' incorporation into the professional world through the

acquisition of necessary skills and abilities: teamwork, effective communication of scientific results, experience with modern technology, mastery of scientific language and the ability to solve problems in new or unfamiliar multidisciplinary contexts.

- * To prepare students for the development of future doctoral theses in the field of Cognitive Neuroscience: students will acquire the ability to identify new areas of research and apply the appropriate methodologies to develop their own projects. They will also learn how to better disseminate their science to the general population.

To achieve these objectives, the Master's program provides core courses (theoretical and methodological), advanced elective courses and a research-based project at the end of the program.

ENTRY PROFILE

The Master's program is aimed at university graduates who are interested in the Cognitive Neuroscience of Language. These include individuals with backgrounds in areas such as psychology, neuroscience, and linguistics, as well as candidates with relevant training in related fields such as cognitive science, mathematics, computer science, and machine learning.

Recommended student profile: University Degree (or equivalent, according to Bologna definitions) in Psychology, Medicine, Speech

Therapy, Computer Science, Mathematics, Biology, Linguistics or Physics.

Candidates are also required to demonstrate high levels of motivation to learn, scientific curiosity and the ability to work hard.

It is mandatory to participate in the previous application process run by BCBL. For further information about application components and deadlines, please check the following link:

www.bcbl.eu/en/study-with-us/masters-cognitive-neuroscience-language

CAREER OPPORTUNITIES

The primary goal of the training in this Masters is to prepare students for entering a PhD program in fields such as Psychology, Cognitive Science, and Cognitive Neuroscience. Selecting the appropriate Masters program is the best way to start a successful research career. In fact, several

of our current PhD students began their research careers in our Masters program. The training in statistical and ERP/fMRI methods also can prepare individuals to work in research labs directly, and in some cases, to begin a career in Education.

ABOUT THE COURSE

Teaching place:	Faculty of Psicology (San Sebastian). Faculty of Medicine and Nursing (Leioa).
Teaching type:	On-site.
Teaching language:	English.
Approximate fees:	1.800-2.000 €.
Calendar:	September-September

TEACHING LOAD

<u>Compulsory subject courses</u> 12 Credits ECTS	<u>Optional subject courses</u> 24 Credits ECTS	<u>Research Projects</u> 24 Credits ECTS	<u>Total</u> 60 Credits ECTS
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TRAINING SYLLABUS 60 CREDITS ECTS

One of the aims of this graduate program is to train interdisciplinary researchers in the Cognitive Neuroscience of Language, to further advance and transfer this knowledge to the areas of Health and Education.

COMPULSORY SUBJECT COURSES

- Methods in cognitive neuroscience.
- Quantitative methods.

OPTIONAL SUBJECT COURSES

- Advanced Neuroimaging Methods.
- Cognitive psychology.
- Developmental language disorders and educational neuroscience.
- Language disorders: Aphasia and Dementias.
- Linguistics.
- Mental Lexicon.
- Multilingualism, cognition and neuroscience.
- Neuroanatomy.
- Scientific writing and presenting.
- Sentence and discourse processing.
- Speech processing and language acquisition.
- Trends and Advances in Cognitive Neuroscience.

CONTACT

Academic information: Manuel Francisco Carreiras Valiña
Email: mastercni@bcbl.eu

Administrative information: Eider Juaristi
Larraitz Lazcano
Email: mastercni@bcbl.eu

PARTNER WITH A COOPERATION AGREEMENT

