



MASTER'S DEGREE IN COGNITIVE SCIENCE (COGMASTER)

U N I V E R S I T É P S L

Hosted by the Ecole normale supérieure – PSL, Université de Paris and the EHESS, the Cogmaster programme offers a unique curriculum in Europe. Building on thirty years of experience in interdisciplinary teaching, this master's degree draws on the broad resources of the Parisian scientific community. It is open to students with diverse backgrounds and offers academic and industrial opportunities in prestigious research institutions and in many companies in artificial intelligence, bio- and neuro-technologies, data science, education and public policy. This master's degree is part of PSL's graduate program in Cognitive Science.

LEARNING OUTCOMES

The goal of the Cogmaster is to train high-level scientists in at least one discipline of cognitive science, with broad knowledge and a solid methodological training covering all of the cognitive sciences.

The intensive training programme involves multiple excellent higher education institutions to offer the best in each field, with 2,000 hours of courses taught by leading experts. In order for students to be directly immersed in research, it offers the opportunity to perform internships in the best cognitive science laboratories in France and in the rest of the world.

CAREER OPPORTUNITIES

The Cogmaster is primarily a research programme, which prepares students to start a PhD, and also offers many other opportunities. Its international scientific level allows students to aspire to occupy positions in academic or industrial research, in various institutions and companies.

MAIN ASSETS

- An intensive and interdisciplinary training programme in cognitive science, unique in Europe
- Immersion in an advanced international research ecosystem, working closely with major laboratories and scientific innovation
- A localization at the very lively and cultural heart of Paris.
- A wide variety of basic and advanced classes, given by world-renowned scholars; A multidisciplinary curriculum.
- Lectures given in English. Student/teacher interactions and all exams can take place in French or in English, as chosen by each student.
- A campus life in the very heart of Paris, benefiting from the opportunities for meeting and inter-establishment circulation offered by Université PSL and Université de Paris.

English track

CURRICULUM

Master 1 (60 ECTS)

Fundamentals – 6 majors proposed

- Philosophy
- Social sciences
- Linguistics
- Psychology
- Neuroscience
- Modelling
- Cognitive engineering

Core methodological curriculum

Research internship

Master 2 (60 ECTS)

Interdisciplinary courses

In-lab internship

Master thesis in cognitive science

COURSES

Master 1

A significant proportion of courses are taken in students' initial discipline in order to reinforce basic skills. Other courses consist of a core methodological curriculum, as well as introductory courses to the concepts and tools needed in other fields of cognitive science. Research internships complete the curriculum. Basic courses are divided into 6 majors.

At the end of the first year, students will have consolidated their training in their major. They will also have assimilated the concepts, methods and issues central to cognitive science. They will be able to analyse and criticize the current literature, in order to develop a coherent research project for the second year (M2).

Master 2

In the second year, students are confronted with current research topics in cognitive science in interdisciplinary courses, and carry out an original and integrative research project in cognitive science. This implies being able to formulate a question, to confront it with existing publications, to develop an experimental or theoretical approach to address it, to analyse the results and to compare them to the current literature. Students will also write a scientific-publication-level thesis, and defend it clearly and convincingly in public.

To apply

psl.eu/en/formation/cognitive-science-cogmaster

Contact

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ADMISSIONS

Prerequisites

There are no specific courses preparing for the Cogmaster. The course is open to students from extremely different backgrounds, belonging to diverse scientific cultures.

— **Master 1:** students with a bachelor degree in psychology, philosophy, social science, linguistics, mathematics, computer science, mathematics and computer science applied to humanities and social Sciences. Admissions are also open to medical and engineering students.

— **Master 2:** master 1 or equivalent in the subject areas mentioned above.

Admission process

Online application and interview for preselected candidates.

DIPLOMA DELIVERED

French Master's degree diploma from Université PSL, (prepared at ENS – PSL) or Université de Paris.

TEACHING LOCATIONS

In the heart of Paris, mainly at the École normale supérieure – PSL and at Université de Paris (Saints-Pères Faculty of Biomedical Sciences).

