



RESEARCH MASTER'S PROGRAM IN Cognitive science IN PARIS

Cognitive science

- studies the major **mental functions** such as perception, action, memory, reasoning, and language
- describes their role in **complex behavior** such as problem solving, decision making, communication, and cooperation
- in **varied populations**: infants, adults of different cultures, neurological or psychiatric patients, animals, artificial systems
- at different levels of **information processing**: formal, algorithmic, psychological, neural, genetic
- using tools from a **variety of disciplines**: experimental psychology, neurobiology, linguistics, mathematics, computer science, philosophy, social sciences

The Cogmaster program

- is delivered jointly by **three prestigious universities** (EHESS, ENS, and University Paris Descartes), and is partner with several other universities in the Paris area
- **interdisciplinary**: it teaches how to integrate tools and concepts from several disciplines for a particular research objective
- **international**: bilingual courses (written work may be submitted in English), internationally known professors, partnerships with foreign universities
- **personalized**: curriculum chosen among 40 teaching units, individual tutors and advisers, small classes
- **hands-on**: workshops, research experience in one of 40 laboratories or research groups in Paris or abroad.

Application procedure: written application and interviews

(may be done by telephone)
(may be in English)

- Bachelor's degree required (equivalent of 3-year European diploma) in neuroscience, biology, psychology, computer science, mathematics, physics, philosophy, linguistics, or social sciences.

First year (M1)

→ Core concepts, methodological and theoretical workshops

→ Reinforcement of the major discipline

Philosophy and Social Science
Mathematics and Modeling
Cognitive Psychology
Neuroscience
Linguistics

→ Introduction to other disciplines

Understand the concepts, methods, and central problems in the cognitive science and master the fundamental literature in this field

→ Research project

- Mandatory long internships for majors Psychology and Neuroscience
- Optional short internships for other majors

Second year (M2)

→ Core concepts, methodological and theoretical workshops

→ Interdisciplinary courses

Personalized program

Social Cognition
Perception and Action
Language and Communication
Development, Genetics and Plasticity
Executive Functions, Reasoning and Consciousness

→ Research project (long internship during the 2nd semester)

- Carried out in one of the research groups affiliated with the program, in France or abroad.
- Independent experimental or theoretical project, potentially publishable as an original academic article.
- Written thesis and oral defense (may be in English).

Application procedure: written application and interviews

+ choice of laboratory and submission of research project

- M1 Equivalence; interdisciplinary background recommended

- Double major, medical school, engineering school, etc.

Pedagogical council

Pascal **Amsili** (Paris Diderot)
Daniel **Andler** (Paris-Sorbonne)
Anne-Catherine **Bachoud-Levi** (Inserm)
Nicolas **Baumard** (PSL*)
Sacha **Bourgeois-Gironde** (Panthéon-Assas)
Roberto **Casati** (CNRS)
Patrick **Cavanagh** (Paris Descartes, Harvard)
Emmanuel **Chemla** (CNRS)
Mikaël **Cozic** (UPEC)

Alejandrina **Cristia** (CNRS)
Sophie **Denève** (CNRS)
Jacques **Dubucs** (CNRS)
Emmanuel **Dupoux** (EHESS)
Paul **Egré** (CNRS)
Benoît **Girard** (CNRS)
Andrei **Gorea** (CNRS)
Julie **Grezes** (Inserm)
Boris **Gutkin** (CNRS)

Dominique **Hasboun** (UPMC)
Brian **Hill** (CNRS, HEC)
Véronique **Izard** (Paris Descartes)
Pierre **Jacob** (CNRS)
Charlotte **Jacquemot** (CNRS)
Mehdi **Khamassi** (CNRS)
Etienne **Koechlin** (CNRS)
Claire **Legay** (Paris Descartes)
Pascal **Mamassian** (CNRS)

Jean-Pierre **Nadal** (CNRS, EHESS)
Thierry **Nazzi** (CNRS)
Srdjan **Ostojic** (CNRS)
Christophe **Pallier** (CNRS)
Elena **Pasquinelli** (La main à la pâte)
Sharon **Peperkamp** (CNRS)
Daniel **Pressnitzer** (CNRS)
François **Recanati** (CNRS, EHESS)
Jérôme **Sackur** (ENS)

Emmanuel **Sander** (Paris 8)
Juan **Segui** (CNRS)
Claire **Sergent** (Paris Descartes)
Carlo **Severi** (EHESS)
Benjamin **Spector** (CNRS)
Catherine **Tallon-Baudry** (CNRS)
Virginie **van Wassenhove** (CEA)
Mark **Wexler** (CNRS)
Henny **Yeung** (CNRS)

Program directors: Thérèse **Collins** (Paris Descartes) et Franck **Ramus** (CNRS, ENS)