

Master Sciences cognitives – Parcours : Neurosciences Computationnelles et Intelligence Artificielle / Computational Neuroscience and Artificial Intelligence

SCIENCES, TECHNOLOGIES, SANTÉ

Présentation

General cog-SUP organization

The master's student must register to one of the tracks. These tracks ensure the acquisition of genuine expertise in the concepts, methods, and techniques specific to each discipline, enhancing the clarity of skills associated with the diploma. The program establishes a common cultural foundation from the first year (M1) through a core curriculum and introductory courses to the different disciplines. In the second year (M2), the majority of courses are fully interdisciplinary and open to students from all tracks. Our goal is to cultivate cognitivists equipped with both robust disciplinary expertise and a broad interdisciplinary culture, essential elements for fostering meaningful collaboration across disciplines.

Specific to the track Computational Neuroscience and Artificial Intelligence

Training

The Computational Neuroscience and Artificial Intelligence (CNIA) program provides comprehensive interdisciplinary training at the intersection of cognitive sciences, computational neuroscience, and artificial intelligence. By combining rigorous theoretical approaches and advanced digital tools, this program aims to develop experts capable of modeling and analyzing the natural and artificial mechanisms of cognition.

Prerequisites

This program is designed for students with a dual skillset or strong interest in complementary disciplines. Ideal profiles include:

- Students in mathematics or computer science with an interest for neurosciences, psychology or biology.
- Or conversely, students in neurosciences, psychology or biology with training in mathematical and computational tools.

Career Opportunities

Graduates of the Computational Neuroscience and AI program will be equipped for diverse careers in:

- Academic and applied research (computational neuroscience, AI, cognition).
- Tech industries (AI, data processing, digital health).
- Expertise in technology and data ethics.

Programme

STAGE

Stage : Obligatoire

Durée du stage : M1 optionnel / M2 obligatoire

Pour en savoir plus, rendez-vous sur > u-paris.fr/choisir-sa-formation

Admission

Droits de scolarité :

National tuition fees are set annually by the Ministry of Higher Education and Research. They are supplemented by compulsory and optional contributions, depending on the student's individual situation.

Contacts

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En bref

Niveau d'études visé

BAC +5 (niveau 7)

ECTS

120

Public(s) cible(s)

- Étudiant

Langue(s) des enseignements

- Anglais

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