MSc in Cognitive Science
Master of Science in Cognitive Science

Offered at the world-renowned Center for Mind/Brain Sciences - CIMeC, this MSc is characterized by training and research activities in the fields of experimental psychology, brain-imaging, animal cognition and computational linguistics.

Students develop research projects with an international group of researchers, and have access to high qualified interdisciplinary laboratories and cutting-edge research technologies.

These include functional magnetic resonance imaging (fMRI), transcranial magnetic stimulation (TMS), magnetic encephalography (MEG), transcranial direct current stimulation (tDCS), electroencephalography (EEG), eye tracking, cinematic motion tracking, psychophysics, computational modeling, & comparative cognition (animal models) for the Cognitive Neuroscience track; and for the Language and Multimodal Interaction track, machine learning technologies, like deep learning and multitask learning, will be applied to language understanding in interaction with other modalities.
### Programme overview

**Workload**
The total workload for each student is 120 ECTS (European Credit Transfer System).

**Intake**
September each year

**Class size**
Up to 50 students

**Language**
English

**Degree awarded**
Master of Science - “Laurea Magistrale” - in Cognitive Science

**Fees and funding (approximate range)**
- EU: 340€ - 3.400€ (based on income/merit)
- Non-EU: 1.000€ - 4.500€ (based on merit)
- Income/merit based scholarships and tuition waivers available

**Duration**
2 years full-time
Requirements
- Bachelor’s degree (or equivalent)
- Background in the disciplines characterizing the cognitive sciences area
- English at B2 level of the Common European Framework of Reference for Languages

Application deadlines
(check on line for updates)
- February for all candidates (non-EU citizens living outside Italy and EU citizens or non-EU citizens regularly living in Italy)
- June, extended deadline only for EU citizens and non-EU citizens living in Italy, in case places are not filled in the first deadline

Selection criteria
- Assessment of previous studies and their coherence with the programme
- Academic curriculum
- Statement of purpose
- References

How to apply
- Access the online application form
- Upload the required documents
- Submit your online application by the deadline
- Check online for more information and updates: www.unitn.it/mcs
Study Plan

The master provides students with advanced theoretical and methodological knowledge in **cognitive neuroscience** through an **interdisciplinary approach** to the study of the mind-brain system, including courses focusing on neurophysiological aspects of cognitive processes, the study of human behavior, and human-computer interaction. Students choose between **two tracks** each one offering a selection of specialized courses, to allow students to tailor their training to their academic interests:

- **Cognitive Neuroscience (CN track)**
  with courses in cognitive neuroscience, neurobiology, statistics and experimental methodology, computer programming, advanced signal and data analysis combined with hands-on training in brain imaging and brain stimulation techniques;

- **Language and Multimodal Interaction (LMI track)**
  with courses on computational linguistics topics, on language and the brain.
International dimension

The Master’s course is part of a joint program with the Scuola Internazionale Superiore di Studi Avanzati di Trieste (SISSA) and of the Erasmus Mundus Program in Language and Communication Technologies (LCT).

It also offers a dual degree program with Osnabrück University (Germany).

CIMeC also encourages student exchanges with various EU prestigious universities in the cognitive science and computational linguistics field.
Our students come from all continents and, after graduation, find positions in their home countries and elsewhere. Though the programme is relatively young, its strength is already evident in the satisfaction reported by students and in their high and successful placement after graduation. A recent survey conducted on 60 graduates of the programme showed that 88.3% of them are currently employed either in industry or in academic research management (both clinical and non-clinical), software development, communication and consulting.

The Master in Cognitive Science offers a unique opportunity for students aiming to train as scientists. It provides access to doctoral courses in the disciplines of cognitive neuroscience worldwide. CIMeC itself offers a PhD Course in Cognitive and Brain Sciences.