



UNIVERSITÀ  
DI TRENTO



# MSc in Cognitive Science



# Master of Science in Cognitive Science

The two-year CIMEC Master's in Cognitive Science provides students with advanced theoretical and methodological knowledge in behavioural, cognitive and computational neuroscience and computational linguistics through an interdisciplinary approach to the study of the mind-brain system. The program emphasises the interplay between biology-based and technology-based explorations of the human mind and a close relationship between teaching and research. Together with training discipline-specific knowledge and skills, the program develops key transferable skills such as critical thinking, scientific speaking and writing. During the first year students are mostly involved in both theoretical and methodological courses, while during the second year they enroll in an extensive internship and research project where they acquire an invaluable direct exposure to the scientific research practice having access to the laboratories at CIMEC, working with CIMEC PIs and their groups, and gaining hands-on experience with cutting-edge research technologies.

Students choose among three tracks:

- Cognitive Neuroscience (CN)
- Computational and theoretical modelling of Language and Cognition (CLC)
- Fundamental Behavioural Neuroscience (FBN)



## Programme overview

### Degree awarded

Master of Science - "Laurea Magistrale" - in Cognitive Science

### Language

English

### Class size

Up to 80 students

### Workload

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

### Intake

September each year

### Duration

2 years full-time

### 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



## Admission

### Application deadlines [check on line for updates]

- February for Non-EU students living outside Italy
- May for Eu students and non-Eu with residence in Italy

### Selection criteria

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

### 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

### 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](http://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 **three tracks** each one offering a selection of specialized courses, to allow students to tailor their training to their academic interests:

- **Cognitive Neuroscience (CN track)**

it offers a range of theoretical and practical courses in basic and advanced cognitive neuroscience and neurobiology and courses in advanced signal processing and data analysis with a special focus on brain imaging (EEG, MEG, functional and anatomical MRI) and brain stimulation techniques (TMS, tDCS);

- **Computational and theoretical modelling of Language and Cognition (CLC track)**

it offers basic courses in theoretical and computational linguistics, computer science and cognitive neuroscience;

- **Fundamental Behavioural Neuroscience (FBN track)**

it offers a range of theoretical courses in basic and advanced neurobiology and neuroscience, in healthy animals and in animal models of clinical conditions, and a set of hands-on courses in fundamental behavioural neuroscience data recordings and analyses.



## 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**).

CIMeC also encourages student exchanges with various EU prestigious universities in the cognitive science and computational linguistics field.



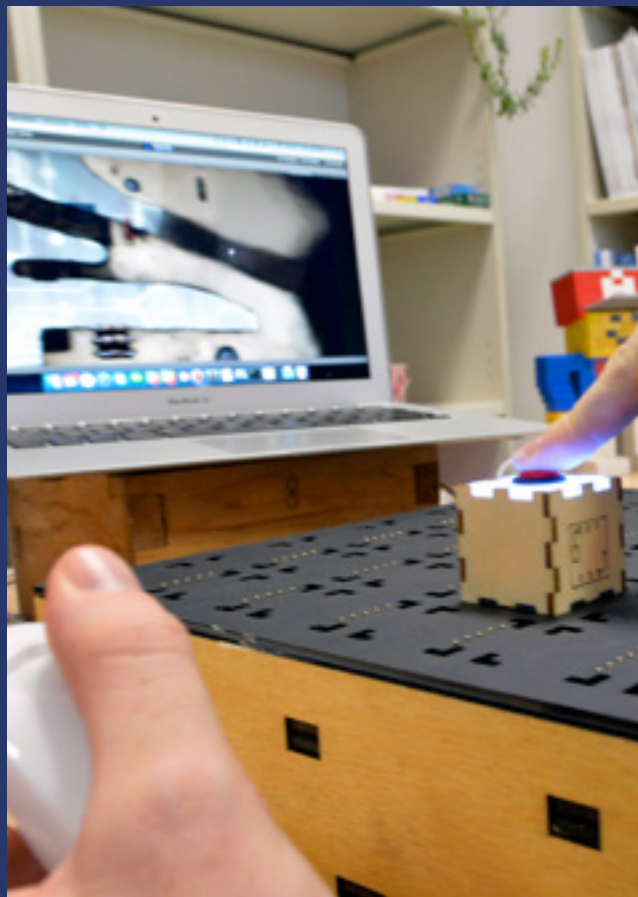
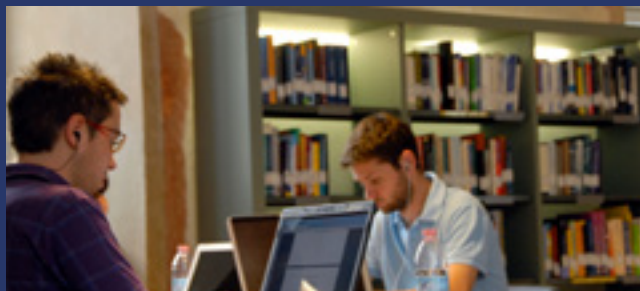


## Career opportunities

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.







## CONTACT DETAILS

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