



## Facts and figures

**Start:** Winter semester  
**Duration:** 4 semesters  
**Degree:** Master of Science  
**Language:** English  
**Admission restricted**

## Application and enrolment



### Admission requirements

**General admission requirements:**  
[www.uol.de/stud/545en](http://www.uol.de/stud/545en)

**Language skills:**  
English level B2

### Application

**Application deadline:** 15 July (German/EU-degree), 31 May (non-EU degree)

### German university degree:

Online application  
[www.uol.de/studium/bewerben/master](http://www.uol.de/studium/bewerben/master)

### EU or international applicants:

[www.uol.de/en/application/international-students/master](http://www.uol.de/en/application/international-students/master)



## Contact

**For questions about the subject/degree programme**  
**Academic counselling for Neurocognitive Psychology**  
[www.uol.de/en/subject-specific-student-advice](http://www.uol.de/en/subject-specific-student-advice)

**Student representatives for Neurocognitive Psychology**  
[www.uol.de/en/psychology/master/student-body](http://www.uol.de/en/psychology/master/student-body)  
[fs.psy@uol.de](mailto:fs.psy@uol.de)

### For questions about your studies

Study and Career Counselling Service  
[www.uol.de/en/zskb](http://www.uol.de/en/zskb)

### Basic questions about application and enrolment

Student InfoLine  
**Phone** +49 441 798 - 2728  
[study@uol.de](mailto:study@uol.de)

### Visitor address

Student Service Centre – SSC  
Haarentor campus, building A12  
26129 Oldenburg  
[www.uol.de/en/students/service-advice](http://www.uol.de/en/students/service-advice)

## Further information

**Neurocognitive Psychology website**  
[www.uol.de/en/neurocogpsy](http://www.uol.de/en/neurocogpsy)  
Instagram chanel: @ncp\_department\_uol

**Degree programmes at the University of Oldenburg**  
[www.uol.de/en/students/degree-programmes](http://www.uol.de/en/students/degree-programmes)

**Financing your studies**  
[www.uol.de/en/students/fees/financing-your-studies](http://www.uol.de/en/students/fees/financing-your-studies)

**Optional period abroad**  
[www.uol.de/en/going-abroad](http://www.uol.de/en/going-abroad)

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Oldenburg

# Neurocognitive Psychology

Master's degree



## Neurocognitive Psychology (M. Sc.)

The Master's degree in Neurocognitive Psychology is a research-oriented international graduate programme, that provides systematic coverage of the major fields in psychology and in-depth training in cognitive neuroscience and neuropsychology. The programme does not focus on clinical psychology.

Graduate students are able to choose from a variety of research and applied modules that span the research focus of the Department of Psychology and they are actively involved in its ongoing research activities. The mandatory internship at an external research institution, clinic, administrative body, company, consultancy or other organisation with relevant activities in the field of psychology will help to shape students' career paths.

### Reasons to study Neurocognitive Psychology:

- Hands-on research experience in state-of-the-art neuroscience and psychology labs (fMRI, EEG, transcranial magnetic and alternating current stimulation (TMS/tACS), MEG, fNIRS)
- English-taught psychology programme with many international students
- Interdisciplinary background of teachers and students
- Small groups with approximately 45 students per year

## Career opportunities

The Master's degree prepares students for a wide range of attractive employment fields. The department regularly organizes events to help with the career orientation. Almost all graduates find a job within a few months of graduation or opt to continue their studies: Currently, about 50% continue into a doctoral programme while most others work in a clinical setting. The programme does not result in a license to practice psychotherapy in Germany. Possible career fields include:

- An academic career (PhD)
- Research in psychology and neuroscience
- Neuropsychological assessment and therapy in neurological hospitals and rehabilitation units
- Areas focusing on human information processing and decision making: human-machine interfaces, usability, cognitive ergonomics
- Data science

## Structure and contents

### GENERAL PART

45 CP

Compulsory – including various programming skills (Matlab, R, PsychoPy) and advanced statistical methods

Research Methods I - Statistical Modelling / 6 CP  
Research Methods II - Statistical Learning / 6 CP  
Neuropsychological Diagnostics / 6 CP  
Test Theory and Test Construction / 6 CP  
Communication of Scientific Results / 6 CP  
Minor (choose a class that fits your interests, e.g. from related fields, academic writing, German classes, or additional psychology courses) / 6 CP  
Computation in Neuroscience / 9 CP

### SPECIALISED PART

24 CP

Compulsory elective (taking a methods module\* is strongly recommended)

Clinical Psychology / 9 CP  
Neurophysiology (EEG)\* / 6 CP  
Neurocognition / 6 CP  
Sex and Cognition / 6 CP  
Neuropsychology / 6 CP  
Applied Cognitive Psychology / 6 CP  
Human Computer Interaction\* / 6 CP  
Functional MRI Data Analysis\* / 9 CP  
Transcranial Brain Stimulation\* / 6 CP  
Ambulatory Assessment in Psychology\* / 6 CP  
Study abroad Psychology / Neuroscience / 2x 6 CP

### PRACTICAL PART

21 CP

Compulsory

Internship or lab visit / 12 CP  
Practical project (research project in a lab) / 9 CP

### COMPULSORY

30 CP

Master's thesis module

## MASTER OF SCIENCE

120 CP

SEMESTER 1 / 2 / 3 / 4

## Study focus

Students will spend most of the second year participating in ongoing research of the Department of Psychology in the Practical Project and the Master's thesis modules. The department's research spans cutting-edge topics such as multisensory integration, auditory perception and noise exposure, brain oscillations and behaviour, cortical plasticity, individual differences in cognitive functioning and social cognition, ambulatory assessments of hearing and cognitive decline and non-pharmacological interventions, neuromodulation, neurophysiology of everyday tasks, motor imagery and neurofeedback for functional neurorehabilitation, brain-machine interfaces, pharmaco-neuroimaging, and statistical modelling of brain behaviour associations. All labs are committed to open science practices and reproducible research.

A variety of modern neuroscience tools and psychology labs are available to gain hands-on experience in magnetic resonance imaging (fMRI), magnetoencephalography (MEG), high-density (mobile) electroencephalography (EEG), eye-tracking, transcranial magnetic and alternating current stimulation (TMS/tACS), and psychophysics.

## Language skills

The programme is entirely taught in English. German language skills are not required for the programme, but are necessary when research projects or internships include working with patients. German language classes are offered free of charge.

## Stay abroad

A voluntary stay abroad for studying at a partner university or performing a research project/internship abroad can be arranged in the second year.

