



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

Language skills:
English level B2

Application

Application deadline: 15 July (German/EU-degree), 30 April (non-EU degree)

German university degree:

Online application
www.uol.de/studium/bewerben/master

EU or international applicants:

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

Student representatives for Neurocognitive Psychology
www.uol.de/en/psychology/master/student-body
fs.psy@uol.de

For questions about your studies
Study and Career Counselling Service
www.uol.de/en/zskb

Basic questions about application and enrolment
Student InfoLine
Phone +49 441 798 - 2728
study@uol.de

Visitor address
Student Service Centre – SSC
Haarentor campus, building A12
26129 Oldenburg
www.uol.de/en/students/service-advice

Further information

Neurocognitive Psychology website
www.uol.de/en/neurocogpsy
Instagram chanel: @ncp_department_uol

Degree programmes at the University of Oldenburg
www.uol.de/en/students/degree-programmes

Financing your studies
www.uol.de/en/students/fees/financing-your-studies

Optional period abroad
www.uol.de/en/going-abroad

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Universität
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.

