Facts and figures

Start: Winter and summer semesters
Duration: 3 semesters
Degree: Master of Science
Language: German/English
Admission not restricted

Application and enrolment

Admission requirements

General admission requirements:
www.uol.de/stud/208en

Language skills:
German native speaker or DSH 1
English native speaker or level B2

Application

Application deadline: 30 September or 31 March
(International applications: 15 July or 15 January)
Earlier application is recommended. Missing certificates can be submitted later in accordance with the admission regulations.

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 Hearing Technology and Audiology
www.uol.de/en/subject-specific-student-advice

Student representatives for Hearing Technology and Audiology
www.uol.de/en/student-bodies/student-council-of-physics
fsphysik@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

Hearing Technology and Audiology website
www.uol.de/hua

Cluster of excellence "Hearing4all"
www.hearing4all.de/en

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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Carl von Ossietzky
Universität
Oldenburg

Hearing Technology and Audiology

Master's degree

Hearing Technology and Audiology (M.Sc.)

The Hearing Technology and Audiology Master's programme at the University of Oldenburg offers students who have gained a Bachelor's degree in Hearing Technology and Audiology or a related subject a research-oriented course which prepares them for a career in business or academia.

Due to today's listening habits and noise pollution, the need in all developed countries for counselling and treatment in audiology and for medical devices is huge and growing steadily. Around 14 percent of the population in Germany suffer from a loss of hearing which requires treatment. Consumers' demands for hearing quality and experience in the realm of communication are also high and continue to grow. H + A provides the corresponding audiological expertise in this field that encompassesmedical, technological and scientific requirements.

The Master's programme in Hearing Technology and Audiology is conducted by the University of Oldenburg with the participation of the Jade University of Applied Sciences.

Career opportunities

The Master's programme is wide-ranging and therefore also qualifies students for work outside the field of hearing and verbal communication:

- **Research and development in hearing aid technology and telecommunication**
- **Technology and consulting in acoustics**
- **Work in clinical-audiological facilities, health centres, audiological centres**
- **Management of sales or technical departments in hearing aid/acoustics companies**
- **Sales/consulting for the development and manufacturing of medical technical equipment**
- **Counselling in ENT medicine or pedagogics for people with hearing impairment**
- **Academic career (PhD)**

Structure and contents

SUBJECT MODULES 60 CP

Compulsory modules / 30 CP

- Fundamentals of Numerical Modelling / 6 CP
- Theory I (Digital Signal Processing) / 6 CP
- Theory II (Statistics) / 6 CP
- Current Problems in Hearing Technology and Audiology and Medical Physics / 6 CP
- Biomedical Physics and Neurophysics Part I / 6 CP
- Hearing Technology and Audiology advanced practical project / 6 CP

Elective modules / 30 CP

- Acoustics and Signal Processing Part I / 6 CP
- Acoustics and Signal Processing Part II / 6 CP
- Biomedical Physics and Neurophysics Part II / 6 CP
- Elective module / 6 CP

SEMESTER 1 / 2

COMPULSORY 30 CP

- Master's thesis module

SEM. 3

MASTER OF SCIENCE 90 CP

Bridge semester

Applicants who don't hold a Bachelor's degree in H + A or an equivalent degree can take a four-semester Master's programme. In this case, the programme consists of a bridge semester (semester 0) and three subject-specific semesters. The bridge semester is tailored to provide the individual student's missing knowledge and consists of various modules from the relevant Bachelor's programmes of the Jade University of Applied Sciences and the University of Oldenburg.

Learning objectives

Graduates from this programme have a clear understanding of the fundamental theory of hearing technology and audiology and its practical applications. They also have insights into methods, problems and findings from the latest research in this field. They are able to evaluate theories and methods, procedural models, tools and systems according to scientific criteria and can also apply them to solve problems in practice. They draw on qualified knowledge about the scientific planning, practical performance and statistical analysis of audiological studies, principles of acoustics and (digital) signal and language processing. They can apply these skills in the development of audio systems (e.g. hearing aids, entertainment electronics, studio acoustics, telecommunication) and manage the application of these systems. Graduates are capable of teamwork and effective presentation of their own and others' findings.