Facts and figures

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

Application and enrolment

Application 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

German university degree:
Online application
www.uol.de/studium/bewerben/master

EU or international applicants:
www.uol.de/en/application/international-students/master

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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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 encompasses medical, 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)

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.

Structure and contents

SUBJECT MODULES 60 CP

Compulsory modules / 30 CP
- Fundamentals of Numerical Modelling / 6 CP
- Theory I (Signal and System Theory) / 6 CP
- Theory II (Statistics) / 6 CP
- Current Problems in Hearing Technology and Audiology and Medical Physics / 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 I / 6 CP
- Biomedical Physics and Neurophysics Part II / 6 CP
- Elective module / 6 CP

COMPULSORY 30 CP

Master's thesis module

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.