

Single-Subject Bachelor

Dual-Subject Bachelor

Master ◀

Master of Education

PhD

► Numbers and Facts

Start: Summer semester
Duration: 3 semesters
Degree: Master of Science
Language: German/English
Admission: Admission free

► Application and Enrolment

Entry requirements

Generally, applicants may be admitted to a Master Study Course if they hold a Bachelor degree or equivalent qualification in the same or related subject.

Possible special admission requirement for <210 credits Bachelor-

Please refer to admission regulations for further details about admission requirements and application procedures.

Application

Applicants with a German university entrance qualification: Please apply online at University Oldenburg.

EU or International applicants: Please apply via uni-assist e.V.

For more detailed information and deadlines, refer to: www.uol.de/en/students/application-and-enrolment

► Contacts

For questions regarding your course of study

Academic Advisor
Prof. Dr. Oliver Zielinski
E-mail: oliver.zielinski@uol.de

General advice regarding studies

Study and Career Counselling Service - Zentrale Studien- und Karriereberatung

Application procedures / Entry requirements

Registrar's Office - Immatrikulationsamt

StudierendenServiceCenter
Campus Haarentor A12
26129 Oldenburg
0441-798-2728
studium@uol.de
www.uol.de/en/students/service-advice

► Further Information

Homepage Marine Sensors

www.uol.de/marsens-msc

Range of study courses

www.uol.de/en/students/degree-programmes

Funding

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

Imprint

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Marine Sensors (M.Sc.)

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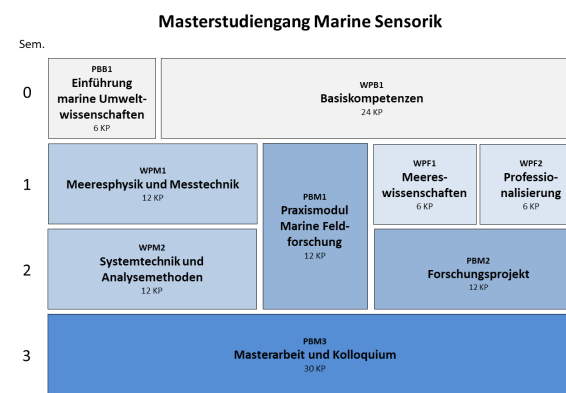
Oceans and coastal seas are highly complex systems that are used in many ways by humans. Monitoring state and change of marine systems through quantifiable parameters and their interaction with anthropogenic factors requires innovative measurement techniques and platforms. Thus, marine sensors and sensor systems are important cross-sectional technologies for all areas of marine research and technology.

The master program Marine Sensors offers a research-oriented qualification in the development, optimization and analysis of sensors and measurement methods for marine research. Additionally students achieve the qualification for independent scientific work on complex tasks as well as working in teams and enhanced research communication. The study program is based on scientific and technical fundamentals and is designed consecutively for students of the study program "Bachelor Meerestechnik" at the Jade University of Applied Sciences in Wilhelmshaven. The admission of bachelor graduates of other study courses is possible.

► Admission

In principle, an applicant can be granted access to the consecutive Master's degree in Marine Sensor Technology if he/she has completed a previous, suitable course of study with a total of 210 credit points. Degree programs with a total of at least 180 credits may be suitable subject to the requirement that missing competences relevant to the Master's program „Marine Sensors“, amounting to 30 credits in a bridge semester, are to be obtained. The Admission Committee determines the modules to be taken in the bridge semester for each applicant individually and depending on the competences acquired so far. Access to studies is governed by the Access Regulations (see ‚Further Information‘).

► Structure and contents



For elective subjects WPM1 and WPM2, students choose two out of three possible modules each semester (WPM1 Canon: Ocean Models, Regional Oceanography, Time Series Analysis, WPM2 Canon: Aquatic Optics, Systems Engineering, Robotics). The mandatory area PBM1 covers central core competences of sea-going expeditions and off-shore technologies from planning, through logistics, data collection, to evaluation and presentation. In the free compulsory module with option WPF1, students can select a module from the master's program of the master's program „Marine Environmental Sciences“ of the University of Oldenburg and thus set individual priorities. In WPF2, a free professionalization by a freely selectable master module of the University of Oldenburg, the Language Center, the Jade-HS or an external institution is possible, which must be in a thematically meaningful connection with the degree program marine sensor technology. Finally, one semester is available for the preparation of the master's thesis.

► Careers and Areas of Employment

With the successful completion of the master program Marine Sensors the graduates are qualified for the independent handling of complex questions in the field of marine sensor technology. The early contact with national and international staff from the fields of research and industry also enables the graduates to work in teams and to communicate the basics and results of their own research. Due to their interdisciplinary education, graduates serve the important need for the interface between science and technology and are e.g. to carry out independent research and development work in research institutions, to lead development teams, to implement observation systems, to adapt measurement methods for exploration, to manage science and to advise end-users. Possible fields of employment can be found in research institutions, public authorities, sensor and system technology companies, consulting and sales companies as well as companies in the field of off-shore, mining and energy production.