

Study program

1	2	3	4
Major area ²⁾ 6 cp	Major area ²⁾ 6 cp	Major area ²⁾ 6 cp	Major area ²⁾ 6 cp
Major area ²⁾ 6 cp	Major area ²⁾ 6 cp	Major area ²⁾ 6 cp	Major area ²⁾ 6 cp
Habitat Sea 6 cp	Elective area 1 6 cp	Elective area 2 6 cp	Elective area 2 6 cp
Introduction to Aquaculture 6 cp	Technology of Fish Aquaculture 6 cp	Special Aquaculture Systems 6 cp	Special Aquaculture Systems 6 cp
Biology, Ecology and Physiology of Fish 6 cp	Aquaculture Systems 6 cp	Sustainable Use of Aquatic Resources ¹⁾ 6 cp	Sustainable Use of Aquatic Resources ¹⁾ 6 cp
Genome Biology and Pathobiology 6 cp	Genome Biology and Pathobiology 6 cp	Genome Biology and Pathobiology 6 cp	Genome Biology and Pathobiology 6 cp
Master thesis Aquaculture 30 cp			

¹⁾ Sustainable Use of Aquatic Resources: Legal Issues of Aquacultural Enterprise in Germany / Fishery Law
²⁾ In the major area, modules with a scope of at least 24 credit points must be taken. Major areas includes biology, technology and economics.



University of Rostock

FACULTY OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

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Aquakultur
 (Master of Science)

FACULTY OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

Aquaculture (M.Sc.)

Degree

Master of Science (M.Sc.)

Study type

Consecutive course of studies

Single compartment master (not combinable)

Standard period of study

4 terms

Start of study

Every winter term (1st October)



Fields of study

Agricultural and Environmental Sciences

Mathematics / Natural Sciences / Engineering

Formal prerequisites

First vocational qualifying degree in an agricultural and engineering science, food science, biology or business administration course with a final grade of at least 2.6; proof of English language skills (B2)

Special notes

The study programme includes a two-month (large-scale) internship, which can be done in aquaculture enterprises, research institutions or authorities. It is possible to do the internship abroad.

Further option of qualification at the University of Rostock

PhD of Agricultural Sciences (Dr. agr.)

PhD of Natural Sciences (Dr. rer. nat.)

PhD of Engineering Sciences (Dr.-Ing.)

University Rostock

Aquaculture (M.Sc.)

Subject and aim of the course of study

The aquaculture of marine and limnic organisms is a varied field of economy and research, with an increasing importance worldwide. This constantly developing industry requires highly qualified personnel, with a broad basic training and specialist knowledge, to look after aquaculture facilities and develop innovative concepts for future applications.

The Master's degree in Aquaculture is a **research-oriented** course of study with a total duration of two years.

Seven faculties of the University of Rostock as well as specialized non-university institutions are involved in the implementation of the **interdisciplinary** study program.



Students are taught **specialist knowledge** of various disciplines, including the biology of the cultivated organisms, industrial production and plant-related implementation, as well as basic legal principles and business-oriented aspects.

A successful Master's degree qualifies students to meet the various requirements of aquaculture of marine and limnic organisms. Scientific specialists in this field are in demand - nationally and internationally.

Aquaculture (M.Sc.)

Structure of the study

The modularised presence course of studies in aquaculture is offered with the **focus on biology, technology and economy** and is divided into a compulsory and an optional part.

Students acquire core competences in the field of fish aquaculture, sea ranching and gain an insight into special aquaculture methods. From the first semester onwards, the course of study can be structured according to individual skills, interests and required professional fields of application by taking elective modules. Students develop skills in business administration, technical system operation and fish health.

The third semester includes a **two-month (large-scale) internship**. The students carry out **independent project and research work** in a private or public aquaculture institution. This is intended to give an insight into the daily work routine and to prepare the implementation of the master thesis.

Furthermore, all students are recommended to take part in subject-specific or supplementary internships beyond of the university. The graduation of a **semester abroad** is possible from the second semester onwards.

The fourth semester is used for writing the **Master's thesis**; the preparation of the thesis abroad is supported. The graduates have very good career entry opportunities.



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