

Single-Subject Bachelor

Dual-Subject Bachelor

**Master** ◀

Master of Education

PhD

### ► General Information

**Start:** Winter and Summer semester

**Duration:** 4 semesters

**Degree:** Master of Science

### ► Application and Enrolment

#### Admission requirements

The admission requirement for a Master's degree programme is usually an undergraduate degree or an equivalent qualification in the same or a closely related field of study and proof of professional and personal suitability.

For further information regarding admission requirements (e.g. German language requirements) and the admission application, please refer to the Admission Regulations.

#### Application

Applicants with German university entrance qualification: Submit an online application via the University of Oldenburg.

EU and international applicants:  
Submit an application via uni-assist e.V.

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

### ► Contacts

#### For questions regarding your course of study

Academic Counselling

Prof. Dr. Sascha Laubinger, Tel.: +49 (0)441 798-3333

Dr. Birgit Vollrath, Tel.: +49 (0)441 798-3199

E-mail: [biomaster@uol.de](mailto:biomaster@uol.de)

Student representatives of Biology

E-mail: [fachschaft.biologie@uol.de](mailto:fachschaft.biologie@uol.de)

Internet: [www.uol.de/fs-bio](http://www.uol.de/fs-bio)

#### General advice regarding studies

Study and Career Counselling Service - Zentrale Studien- und Karriereberatung

#### Application procedures / Entry requirements

Admissions Office - Immatrikulationsamt

StudierendenServiceCenter

Campus Haarentor A12

26129 Oldenburg

0441-798-2728

[studium@uol.de](mailto:studium@uol.de)

[www.uol.de/en/students/service-advice](http://www.uol.de/en/students/service-advice)

### ► Further Information

#### Homepage

[www.uol.de/en/biology/studies/master-of-science-biology/](http://www.uol.de/en/biology/studies/master-of-science-biology/)

#### Courses of Study

[www.uol.de/en/students/degree-programmes](http://www.uol.de/en/students/degree-programmes)

#### Funding

[www.uol.de/studium/finanzierung](http://www.uol.de/studium/finanzierung)

#### Imprint

Editor: Zentrale Studien- und Karriereberatung, Status:  
08/2019

## Biology (M.Sc.)

Single-Subject Bachelor

Dual-Subject Bachelor

**Master** ◀

Master of Education

PhD

The biology master's degree programme is a research oriented course of studies which aims to provide in depth training in the techniques and methods used in modern biology and related fields.

This course of studies is geared toward students who have already completed a Bachelor degree. The degree programme prepares students to work independently in industry, business, research or at other private or public institutions and lays the groundwork for PhD work.

Students acquire in-depth, interdisciplinary knowledge of mathematics and biological systems, spanning the molecular and organism levels. The programme uses a methodological and practical approach to enable students to conduct independent research in accordance with scientific and ethical standards and to both interpret and present research results appropriately. The internationality of the scientific community requires good communicative skills, particularly in English, in parallel to expert knowledge. Structured hypothesis-based thinking, communicative skills and social competences are the basis for a successful professional life.

The course of studies enables students to create a clear specialization profile in the areas of biodiversity, ecology, and evolution as well as neurobiology, molecular and cellular biology and genetics. It forms the basis of education for the next generation of academics in the institute of biology and environmental sciences.

### ► Programme structure and content

The course comprises 120 credit points (CP) of which, at minimum, 90 must be chosen from the M. Sc. Biology curriculum:

- Background Modules (min. 24 CP)
- Research Modules (min. 15 CP)
- Skills Modules
- Master thesis and defense (30 CP)

As many as 30 CP can be chosen from other relevant programmes (e.g. Landscape Ecology, Marine Environmental Sciences, Neuroscience, Informatics, Hearing Technology and Audiology) or from courses offered by other universities in Germany or abroad. Modules stemming from outside the M. Sc. Biology programme should be relevant to the rest of the course of studies and must be approved by the examination board.

The individually determined areas of concentration arise from the University's working groups e.g.:

- Biodiversity and evolution of plants
- Biodiversity and evolution of animals
- Evolutionary plant genetics
- Functional plant ecology
- Marine biodiversity
- Molecular and cell biology
- NeurobiologyEcological genomics
- Avian Ecology and physiology
- Systematics and evolutionary biology
- Behavioral biology

An overview of the working groups in biology and their respective research foci, research associates and international partners, as well as further information on the course of studies, can be found on the institute's website: <https://uol.de/ibu/>

### ► Careers and areas of employment

The master's degree prepares students to acquire an independent research or organizational role in industry, economy or public service. Graduates of the programme attain the skills necessary to work as an academic assistant, at a public institution, or to pursue a PhD. Institutions which employ qualified graduates include biotechnology companies, clinical labs, medical technology companies, administrative bodies, pharmaceutical companies, test facilities in the agricultural industry, research institutes for natural and social sciences, national and international environmental protection agencies, publishing houses, and public media.

For an overview about the professional field and perspectives of Biologists see the websites or brochures of the German Life Science Association ([www.vdbiol.de](http://www.vdbiol.de)).