



## Facts and figures

**Start:** Winter semester  
**Duration:** 4 semesters  
**Degree:** Master of Science  
**Language:** English  
**Admission restricted**

## Application and enrolment



### Admission requirements

**General admission requirements:**  
[www.uol.de/stud/614en](http://www.uol.de/stud/614en)

**Language skills:**  
English level B2

### Application

**Application deadline:** 15 June

### German university degree:

Online application  
[www.uol.de/studium/bewerben/master](http://www.uol.de/studium/bewerben/master)

### EU or international applicants:

[www.uol.de/en/application/international-students/master](http://www.uol.de/en/application/international-students/master)

## Contact

### For questions about the subject/degree programme

**Academic counselling for Biology**  
[www.uol.de/en/subject-specific-student-advice](http://www.uol.de/en/subject-specific-student-advice)  
[biomaster@uol.de](mailto:biomaster@uol.de)

### Student representatives for Biology

[www.uol.de/en/fs-bio](http://www.uol.de/en/fs-bio)  
[fachschaft.biologie@uol.de](mailto:fachschaft.biologie@uol.de)

### For questions about your studies

Study and Career Counselling Service  
[www.uol.de/en/zskb](http://www.uol.de/en/zskb)

### Basic questions about application and enrolment

Student InfoLine  
**Phone** +49 441 798 - 2728  
[study@uol.de](mailto:study@uol.de)

### Visitor address

Student Service Centre – SSC  
Haarentor campus, building A12  
26129 Oldenburg  
[www.uol.de/en/students/service-advice](http://www.uol.de/en/students/service-advice)

## Further information

### Biology website

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

### Degree programmes at the University of Oldenburg

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

### Financing your studies

[www.uol.de/en/students/fees/financing-your-studies](http://www.uol.de/en/students/fees/financing-your-studies)

### Optional period abroad

[www.uol.de/en/going-abroad](http://www.uol.de/en/going-abroad)

### German Life Science Association

[www.vbio.de](http://www.vbio.de)

### Published by

Study and Career Counselling Service, Division 3  
Last updated: 04/2022, reviewed annually

Carl von Ossietzky  
Universität  
Oldenburg

# Biology

Master's degree



## Biology (M. Sc.)

The objective of the research-oriented Biology Master's programme is the in-depth study of major areas of modern Biology and their application fields as well as training in its techniques and methods.

The degree programme is available to students with an initial university degree (Bachelor). Students acquire in-depth, interdisciplinary knowledge of mathematics relating to science as well as a general understanding of 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 interpret and present research results appropriately.

The international nature of the scientific community demands well-developed communication skills, especially in English. Structured, hypothesis-driven thinking, communication skills and social competence form the basis of successful professional practice.

The course of studies enables students to create a clear specialisation profile in the areas of Biodiversity, Ecology and Evolution, Behavioural Biology and Molecular Cell Biology/Genetics. Therefore, the degree programme also forms the basis for the education of the next generation of academics in the Institute of Biology and Environmental Sciences.

## Career opportunities

The Master's degree prepares students for independent roles in industry, business, research and other private or public organisations:

- Academic career (PhD)
- Research institutes for natural and social sciences
- Test facilities in the agricultural industry
- Pharmaceutical companies, clinical laboratories
- Medical technology companies, biotechnology companies
- Environmental protection agencies
- Publishing and public media
- Public administrative bodies

## Structure and contents

<b>SUBJECT MODULES</b>	<b>60 CP</b>	<b>SEMESTER 1/2/3/4</b>
Elective modules		
Background modules / minimum 24 CP Research modules / minimum 15 CP Skills modules / maximum 21 CP		
<b>SPECIALISATION</b>	<b>30 CP</b>	
Elective modules		
Further Biology modules or modules from other Master's degree programmes (e.g. Landscape Ecology, Marine Environmental Sciences, Computing Science, Hearing Technology and Audiology) or from other universities in Germany or abroad		
<b>COMPULSORY</b>	<b>30 CP</b>	
Master's thesis module		
<b>MASTER OF SCIENCE</b>	<b>120 CP</b>	

## Specialisations

Modules beyond the Biology Master's degree programme should have a useful connection to the degree programme and must be agreed with the examining board before the student takes part. Students select their own specialisation areas which arise from the university's research 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
- Neurobiology
- Ecological Genomics
- Avian Ecology and Physiology
- Systematics and Evolutionary Biology
- Behavioural Biology

For an overview of the research groups in Biology and their respective specialisations, research associates and international partners as well as further information on the degree programme, go to the website of the Institute of Biology and Environmental Sciences.

## Language skills

The language of the degree programme is English. Therefore, your application must include evidence of English language proficiency.

