Key data

Degree program

Duration: 6 semesters (3 years)

Degree: Bachelor of Science

Type of qualification: single major subject

Application

Requirements:
- University entry qualification (e.g. Abitur)
- English B2

Restrictions: none (open admission)

Application period (winter semester):
May 1 - July 15

5 good reasons ...

... for the bachelor's degree program Natural Sciences for Sustainability at the University of Bremen

1. Well-equipped laboratories
2. Close cooperation with research institutes (e.g. Alfred Wegener Institute, Fraunhofer, Leibniz)
3. Interdisciplinary education
4. Excellent job prospects
5. Individual specialization

Academic Advisory Office

Subject-specific information and advice

Prof. Dr. Annette Ladstätter-Weißenmayer
Building/Room: NW1, S2440
Phone +49 (0)421 218-62105
studienzentrum01@uni-bremen.de

Additional information about the degree program

www.uni-bremen.de/ba-natsus

Central Student Advisory Service

Bibliothekstr. 1, VWG building,
Main entrance, corridor on the left

Phone 0421 218-61160
zsb@uni-bremen.de
www.uni-bremen.de/en/zsb

Advisory services in person, via Zoom, or telephone

Stand 01/2026

Universität Bremen

Natural Sciences for Sustainability

Bachelor's Degree

Natural Sciences for Sustainability

Sustainability is the central theme of this degree program, where you will explore the sustainable use of resources and energy and learn to record and describe the processes and interations within environmental systems. You will gain a deeper understanding of topics such as resources, the water cycle, energy, climate change, and biodiversity.

The program is an interdisciplinary study of biology, physics, and geosciences. Modules on ethical, economic, and legal issues complement the program. With these competences, you will be able to contribute to the transformation process towards a sustainable future.

What's special

The degree program is taught in English and is characterized by a comprehensive solution-oriented fundamental training in the three natural science disciplines.

The interdisciplinary nature of this degree program is evident even in the modules available, sinces numerous modules are taught by a team of lecturers from different faculties.

The Focus Area modules provide students with the opportunity to specialize in a particular topic and prepare for a subject-specific master's degree.

Degree Curriculum

<table>
<tr><th>Sem.</th><th colspan="3">Compulsory Modules</th><th>Compulsory Elective Modules</th></tr>
<tr><td>1.</td><td rowspan="2">Water Cycle 1+2</td><td>Energy 1</td><td rowspan="2">Ecology 1+2</td><td>Scientific Work</td></tr>
<tr><td>2.</td><td rowspan="3">Natural Resources 1-3</td><td></td></tr>
<tr><td>3.</td><td rowspan="2">Climate Change 1+2</td><td>Energy 2</td><td>Environ-mental and Climate Ethics</td></tr>
<tr><td>4.</td><td>One Health</td><td></td></tr>
<tr><td>5*.</td><td colspan="2">Focus Area</td><td>Self-designed project</td></tr>
<tr><td>6.*</td><td colspan="2">Focus Area</td><td>BSc Thesis</td></tr>
</table>

* International Mobility

www.uni-bremen.de/ba-natsus-plan

Specializations

A special feature is the individual specialization in the fifth semester. You can choose between:

- Physics (Earth Observation, Data Analysis and Visualization, Atmospheric Chemistry and Biogeochemistry Cycles, Renewable Energy Resources and Infrastructures)
- Biology (Current Research in Ecology and Biodiversity, Methods in Molecular Biosciences, Marine Ecology)
- Geosciences (From Past to Future Ocean Conditions, Research Data Management and Analysis, Earth-System Modeling and Data Analysis, Physical, Chemical and Biological Oceanography)

Prospects

Potential job opportunities in the environmental and sustainability sector:

- Management consultancy
- Advisor for public authorities or ministries
- Consulting for non-governmental organizations (NGOs)
- Project management for sustainability
- Public relations with reference to sustainability
- Sustainability and environmental management tasks

At the University of Bremen you can pursue a degree in one of the following master's degree programs:

- M.Sc. Physical Geography
- M.Sc. Environmental Physics*
- M.Sc. Space Sciences and Technologies*
- M.Sc. Applied Geosciences*
- M.Sc. Marine Geosciences*
- M.Sc. Materials Chemistry and Mineralogy*
- M.Sc. Ecology*
- M.Sc. Marine Biology*
- M.Sc. Marine Microbiology*

*depending on the focus area chosen in the bachelor's degree program

Further suitable master's programs:
www.uni-bremen.de/masteroptions

International

To gain an international perspective of the topic of sustainability, you can spend the fifth or sixth semester abroad. The open structure of the program supports the recognition of credits achieved from other universities.