



Prospects

- Management consultancy
- Referee activities in 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
- Advanced international master's degree programs such as environmental physics, applied geosciences, Marine Geosciences, Ecology, Marine Biology, etc.



BSc Natural Sciences for a Sustainable Future

Program

The sustainable use of resources and energy as well as the recording and description of processes and interactions in environmental systems, from the perspective of the natural science disciplines of biology, physics and geology, are the subject of this study program. The first two years of study provide a comprehensive solution-oriented basic education in the three natural science disciplines. Students learn about topics such as resources, the water cycle, energy, climate change and biodiversity including content from the three different science disciplines. This is followed by the individual in-depth study, the so called „Focus Area“. Two of the three Focus Area must be taken. Theory and experiment are equally expected in the self-designed project. The thematic coupling of the specialized modules of Focus Area, the self-designed project and the Bachelor's thesis enables the students to sharpen their own profile. During an optional semester abroad in the 3rd year, students can directly experience the international context of the program.

Geosciences, Physics and Biology at the University of Bremen

The departments of Geosciences, Biology/Chemistry and Physics/Electrical Engineering are established research and teaching institutions and cover the entire research spectrum of modern natural sciences (including climate and ocean dynamics, marine biology, geochemistry, geobiology, marine biology, ecology solid state and environmental physics). Well-equipped laboratories, the close cooperation between the departments, but also the long-standing cooperation with renowned research institutions in the region (e.g. Alfred Wegener Institute (AWI), Centre for Marine Environmental Research MARUM, Leibnitz Centre for Tropical Marine Research ZMT, Fraunhofer Institute for Wind Energy Systems IWES) and the YUFE network enrich the teaching.

Program Structure

Basics	Semester				Complementary Studies
Project oriented & interdisciplinary	1.	Water Cycle 1 9 CP	Energy 1 9 CP	Ecology 1 6 CP	General Studies 6 CP
Teaching quantitative & digital skills	2.	Water Cycle 2 9 CP	Natural Resources 1 9CP	Ecology 2 6 CP	General Studies 6 CP
Developing solutions on the basis of scientific approaches	3.	Climate Change 1 9 CP	Energy 2 9 CP	Natural Resources 2 6 CP	General Studies 6 CP
	4.	Climate Change 2 9CP	Natural Resources 3 9 CP	One Health 6 CP	General Studies 9 CP
In-depth-study	5. International Mobility, optional	Focus Area 6 CP	Focus Area 6 CP	Focus Area 6 CP	Self-designed project 12 CP
	6. International Mobility, optional	Focus Area 6 CP	Focus Area 6 CP	BSc Thesis 15 CP	

The English-taught study program is characterised by extensive solution-oriented basic training in the three natural science disciplines. The subsequent compulsory elective modules, Focus Area, serve the individual specialisation in order to be able to study a subject-specific Master's degree. The General Studies also offer insights into ethical, economic and legal issues and once again underline the interdisciplinary nature of this study program. The optional semester abroad (so-called „minor“) is firmly embedded in the study structure and enables a global view of the topic of sustainability.

Key data

- Degree: Bachelor of Sciences (B.Sc.)
- Duration: 3 years
- Admission requirements: general higher education entrance qualification
- English proficiency B2
- Teaching language: English
- Application deadline: July 15 / January 15
- Program start: October / April

Advisory Service

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