

## Key data

### Study program

Duration  
6 semester

Degree  
Bachelor of Science

Number of credits  
180 ECTS Credit Points (CP)

### Application

Requirements  
University entry qualification (e.g. Abitur)  
English B2, German A1

Restrictions  
Open admission

Application periods  
01.05.–15.07.  
01.12.–15.01.

Start  
Winter semester and summer semester

## Office for study affairs FB 5

Contact point for questions about course content,  
course planning and examination regulations

Dr. Ulrike Wolf-Brozio  
GEO, Room 1330  
Tel. 0421 218-65004  
wolfbroz@uni-bremen.de

Further details about the study program  
[www.uni-bremen.de/ba-margeo](http://www.uni-bremen.de/ba-margeo)



## Marine Geosciences

## Bachelor

## 5 good reasons...

... for a Bachelor's degree in Marine Geosciences at the  
University of Bremen

1. Practical experience from the 1st semester in  
laboratories, in the field, at sea, in companies
2. International degree program entirely in English
3. Personal study profile by choosing study  
specializations as early as the 4th semester
4. Active participation in current research projects
5. Leading in marine geoscientific research

## Central Student Advisory Service

Bibliothekstr. 1, Building: VWG,  
Main entrance, corridor on the left

Phone 0421 218-61160  
zsb@uni-bremen.de  
[www.uni-bremen.de/zsb](http://www.uni-bremen.de/zsb)

Advisory services in person, via Zoom or telephone



## Marine Geosciences

Marine geosciences deal with scientific aspects of the marine environment as part of the Earth system. The aim of marine geoscientists is to understand the structure and processes of the seas and oceans as well as the solid earth and their interactions in order to contribute to the protection and sustainable development of our habitat. Marine geoscientists also investigate current problems such as sea level rise, coastal erosion, sea ice retreat, ocean acidification and pollution and look for ways to manage marine resources responsibly.

## Special characteristics

Bremen is internationally renowned for its research into the seas and ocean floors. Thanks to the expertise and methodological competence of Bremen's marine research, the Marine Geosciences course is the only one in Germany to offer an undergraduate degree in marine geosciences. It is an international course of study, the language is English.

The close links with research and the extensive practical components in the laboratory, in the field, on ship expeditions and on the computer are important features of the study program. Students experience research at first hand, particularly in the specialization courses and in the Bachelor thesis.

The Department of Geosciences maintains intensive cooperation in research and teaching with MARUM, Senckenberg Institute by the Sea, Alfred Wegener Institute for Polar and Marine Research, Max Planck Institute for Marine Microbiology and Center for Marine Tropical Ecology, which contribute to the high quality and topicality of teaching and excellent supervision. In addition to their studies, students often have access to research-related job opportunities.

## Study structure

1. Semester	GEO-Principles I: Earth Dynamics, Mineralogy/ Crystallography	Chemistry I, Physics I, Maths I
2. Semester	GEO-Principles II: Evolution of Earth and Life, Structural Geology/ Tectonics	Chemistry II, Physics II, Maths II
3. Semester	GEO-Principles III: Oceanography, Marine Sediments, Rock Forming Processes, Applied Geophysics, Sediment Core Project	
4. Semester	Specialization: 3 specialization subjects	Competence-training
5. Semester		
6. Semester		Bachelor thesis

## Accompanying competence-training

Geosciences studies are supplemented by courses to acquire professional skills. The competence-training includes field exercises and excursions, programming, modeling, GIS, a four-week professional internship and freely selectable courses to create your own profile. The freely selectable courses include additional internships, activities to support teaching and courses from General Studies. These courses can be used to acquire study techniques, key qualifications (e.g. languages) and career guidance.

## Specialization

From the fourth semester onwards, students can specialize by choosing three of the seven specializations:

Sedimentology, Paleontology, Geoinformatics, Geochemistry, Paleoceanography, Geodynamics, Exploration Geophysics.

## Prospects

The course prepares students for a modern and varied professional career. Graduates are qualified for operational, analytical and advisory activities in all geo-sectors, for example in the offshore industry, ports, coastal and water management, monitoring of sediment flows, coastal protection, activities in marine geotechnics, tasks in municipal and state authorities, public relations.

Employers include energy, construction and transport companies, planning offices and environmental laboratories, authorities, media, educational and research institutions.

The Bachelor's degree in Marine Geosciences opens up the possibility of further qualification in a Master's degree course. The following Master's degree courses can be taken at the University of Bremen:

- M.Sc. Applied Geosciences (with additional geological mapping course)
- M.Sc. Marine Geosciences
- M.Sc. Marine Microbiology (with specialization Paleontology)
- M.Sc. Physical Geography: Environmental History

## International

Would you like to go abroad? A guest stay of up to two semesters at a foreign university could be the right thing for you. An internship is also a good way to gain experience abroad. Semesters abroad are best integrated into the third year of study. The department's Study and Internship Office will be happy to assist you in planning your stay abroad and, with prior consultation, with the recognition of your academic achievements.