Marine Geosciences
International Bachelor’s program at the University of Bremen

Program
The program BSc Marine Geosciences represents the first career step in geosciences within the scientific focus on marine, polar and climate research at the University of Bremen. Building on a profound basic education in natural sciences and geosciences in the first three semesters, the interdisciplinary course of study offers a selection of 7 different specialisations from the 4th semester onwards. Students can compile their professional profile by choosing between various marine geoscientific disciplines. In four complementary modules (General Studies), students expand their practical and professional skills. The course ends with the bachelor thesis, and its defence at the end of the 6th semester.

In Brief:
Degree: Bachelor of Science (B.Sc.) Marine Geosciences
Duration: 3 years
Admission requirements: general higher education entrance qualification
English proficiency B2
German proficiency A1
Teaching language: English
Application deadline: July 15
Program start: October

Prospects
- consulting activities in geoscientific companies
- exploration and exploitation of resources off-shore or at sea
- free-lancer for geoscientific companies
- activities for off-shore industry and harbours
- coastal management (water management, monitoring of sediment movements, coastal protection, etc.)
- activities in marine geotechnics
- public relations
- geoscientific activities in local and state authorities

Marine Geosciences at the University of Bremen
Research in marine geosciences has a long tradition in Bremen and constitutes the main focus at the Department of Geosciences. All aspects of marine geosciences are covered, from sedimentology to petrology, from geophysics to biogeochemistry, from basic research to applied technology.

With establishment of the MARUM, Center for Marine Environmental Sciences, the University of Bremen created a leading international institute for planning and carrying out interdisciplinary marine science. The studies within MARUM focus on the three research areas »Ocean and Climate«, »Geosphere-Biosphere Interactions« and »Sediment Dynamics«. The multidisciplinary nature of marine geoscientific research and the application of up-to-date scientific instruments play an important role in teaching methods and topics.
An essential part of the program is a basic field training, which contributes significantly to a profound knowledge of geoscientific field work with two excursions on general and structural geological aspects, two regional geological excursions in the Central European area as well as several field exercises linked to the specialization subjects. In addition, the module "Marine Sediments" includes an excursion with the research vessel ALKOR as an introduction to marine geological working techniques on board. Processing of sediment archives will be carried out in the project course "Sediment Core Project". Digital skills and important key qualifications are taught in separate modules in the study section ‘Practical and Professional Competences in Geosciences’. Alternatively, students can also choose suitable courses from the University’s General-Studies program to individually compile their own soft-skill portfolio, e.g. German language courses. A six-week professional internship is obligatory, which can also be completed at a non-university research institute.

Application in two steps

1. at “Stiftung für Hochschulzulassung”: www.hochschulstart.de
2. with received BID and BAN only online from May to July 15: https://moin.uni-bremen.de/

Application documents: High school diploma, CV, language certificates (if German or English is your mother tongue or you graduated from school with German/English as the teaching language you do not need to prove this language proficiency).

You are from outside the EU? Please contact uni-assist first: https://ww2.uni-assist.de/online/

Requirements

- general higher education entrance qualification
- English proficiency B 2 & German proficiency A 1
- very good command of natural science
- capability to think in four dimensions
- ability to work both independently and in teams
- willingness to participate in strenous field courses
- intercultural competences

Information

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