FREIBURG »GREEN CITY«

Freiburg earned this name and reputation due to its high environmental standards, its innovative research and development, and its general attitude toward the environment. With its extensive use of solar energy and other renewable sources, the city attracts researchers and environmental organizations from around the world. But Freiburg is green not only because of its policies and politics. No other city of comparable size (230,000 inhabitants) has such a diversity of landscapes, ranging from the mountains of the Black Forest to Mediterranean-type vegetation in the Rhine valley.

Freiburg is a traditional and at the same time young and dynamic University town and one of the most beautiful and attractive cities in Germany. Located close to France and Switzerland it is an ideal starting point for exploring Europe.

FACULTY

The Faculty comprises forest, environmental and earth sciences as well as geography and offers a range of B.Sc., M.Sc., and PhD degrees in these fields.

Research focuses on sustainable use and protection of natural resources, the adaptation of ecosystems and human-environment systems to global change, sustainable development, and natural hazards and risks.

FACTS AND FIGURES

Duration: 4 semesters, 120 ECTS credits
Course start: October
Language of instruction: English
Application deadline: May 15
Language prerequisites: level C1

The program is designed for students with a bachelor’s degree in the field of earth sciences or environmental sciences. Other bachelor’s degrees may also be accepted, if the applicant has passed courses equivalent to at least 40 ECTS credits in the fields of mathematics, physics, chemistry, and earth sciences.

CONTACT

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Field trip to the Colorado Plateau
CURRICULUM

The student has the choice between four focus areas:

- Mineralogy and Geochemistry
- Geomechanics and Tectonics
- Geohazards
- Applied Quaternary Geology

Modules of a cross-disciplinary curriculum comprise courses in research methods and geographic information systems, active participation in seminars, invited lectures, and field trips, leading to a broader understanding of modern geological questions, research areas, and solution approaches. The educational profile is completed by selecting additional courses in the field of geosciences according to a student’s interest. A wide range of activating learning methods is implemented such as application of modern analytical instruments, field methods, solving selected problems by modeling, planning and realization of an individual geological project, ...

TARGET GROUP

The program is designed for students with a bachelor’s degree in the field of earth sciences or environmental sciences who wish to enlarge their knowledge and skills in the field of near-surface processes in geology, petrology, geochemistry, environment and sustainable resources management. A sound basis in geological and petrologic understanding is expected. Knowledge gaps may be filled by attending B.Sc. courses, but this is limited by the requirement of German language skills.