

## Class of 2025: Selection of core subjects

Student information:

Name:

Student ID:

Please choose 3 or 4 out of 8 core subjects offered, each with two modules. Module I is offered in the winter-, module II in the summer semester. It is not possible to change core subjects after the winter semester. Please attend all teaching units of chosen modules and pass the exams to earn the required ECTS credits (s. <http://www.geo.uni-bremen.de/page.php?pageid=1043>).

Core Subjects/modules Applied Geosciences	please cross
Angewandte Sedimentologie: Grundlagen (6 CP) & Projekte (6 CP)	
Applied Geophysics: methods (6 CP) & projects (6 CP)	
Applied Petrology: petrological methods in ore geology (6 CP) & active tectonic, magmatic and volcanic processes (6CP)	
Geohazards: hazard – risk assessment (6 CP) & environmental hazards (6 CP)	
Glaciology: I (6 CP) & II (6 CP)	
Hydrogeologie: Grundwasserbeschaffenheit (6 CP) & Grundwasseranalytik und hydraulische Modellierung (6 CP)	
Ingenieurgeologie: fortgeschrittene Methoden (6 CP) & Wissenschaftsfelder und ingenieurtechnische Bemessung (6 CP)	
Renewable Energy Resources: renewable energy in the Earth system (6 CP) & offshore wind energy (6 CP)	

A core subject or **courses in the amount of one core subject** (in total **12 CP**) can be taken from other master's programs opened for students of Applied Geosciences:

<b>Optional choice from MSc Marine Geosciences<sup>1</sup></b> ( <a href="#">courses MSc Marine Geosciences</a> )	

<sup>1</sup>s. module overlapping table below

<b>Optional choice from MSc Environmental Physics (<a href="#">course catalogue</a>) or MSc Environmental History<sup>2</sup></b>	

Note: Please think twice about your choice, since changing the subject later means that you cannot finish your course work within the first year. Deliver this sheet to Dr. Ulrike Wolf-Brozio, room 1330, pigeon hole no. 163, by **Monday, October 27, 2025** the latest.

Bremen, Date

Signature

### <sup>1</sup>Core subjects from the master's program Marine Geosciences

Students may choose one core subject from the master's program Marine Geosciences.

*According to the examination regulations, it is possible to take a core subject from the respective other Master's program (Applied Geosciences or Marine Geosciences); however, no combinations may be chosen in which partially the same courses are offered. Furthermore, combinations are precluded by overlapping schedules. The following combinations are not possible:*

Core subjects Applied Geosciences	Core subjects Marine Geosciences
Angewandte Sedimentologie	Marine Environmental Archives
Applied Petrology	Sedimentary Processes
Geohazards	Marine Geobiology
Glaciology	Ocean Crust Evolution
Ingenieurgeologie	Climate Change

*We reserve the right to make adjustments to the schedule at short notice, which may lead to further combination exclusions; however, so far this has never been necessary.*

### <sup>2</sup>Courses and modules from the master's programs Environmental Physics or Physical Geography – Environmental History

Alternatively it is possible to replace one core subject by selecting courses/modules from the following postgraduate programs. Please visit your study consultant in advance.

- Environmental Physics (PEP) (s. [PEP courses](#), s. course catalogue) or
- Physical Geography – Environmental History  
Following module combinations are open for students of „MSc Marine Geosciences“ and „MSc Applied Geosciences“. Depending on the courses-capacity the program offers places for 8 master students of the Geosciences Faculty.
  - Climatology I + II 6 + 6 CP
  - Lacustrine Environmental Archives I + II 6 + 6 CP
  - Vegetation History and Archaeobotany I + II 6 + 6 CP

It is necessary to register with the program coordinators in advance.

**! In sum only one core subject can be taken from another study program!**