

## Module Overview B.Sc. Applied Geosciences (9 semesters)

Degree programme guidelines as per 04.12.2013, version 01.10.2017

The degree programme consists of 180 Credit Points (CP) in total:

Fundamental Mathematical-scientific Subjects:	34 CP	<span style="color: #00AEEF;">■</span>
Geoscientific Core Subjects:	105 CP	<span style="color: #ADD8E6;">■</span>
Geoscientific Elective Subject Area:	12 CP	<span style="color: #9ACD32;">■</span>
Interdisciplinary & Key Qualification Area:	17 CP	<span style="color: #DDA0DD;">■</span>
Bachelor's Thesis:	12 CP	<span style="color: #FF8C00;">■</span>

**Language of Tuition:**  
**GERMAN**  
Certificates required



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This leads to the following possible semester course schedule:

1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester	8. Semester	9. Semester
General Chemistry (8 CP)	Inorganic Chemistry Internship (3 CP)	Mathematics I (7 CP)	Mathematics II (4 CP)	Physics I/II (10 CP)		Physics Laboratory Course for Geoscientists (2 CP)	Field Courses II (8 CP)**	Atmosphere I (3 CP)
Geology I (5 CP)	Geology II (5 CP)	Geology III (6 CP)	Geochemistry (4 CP)	Geology IV (5 CP)	Field Courses I (11 CP)*	Hydrogeology I (6 CP)	Scientific Methods (5 CP)	Geoscientific Elective Subject Area (at least 12 CP)***
Mineralogy I (5 CP)	Mineralogy II (5 CP)		Petrology I (5 CP)	Petrology II (5 CP)				
Stratigraphy and History of the Earth (5 CP)	Geological Maps and Cross Sections (5 CP)		Geoinformation Systems I (4 CP)	Thin Section Microscopy (6 CP)		Engineering Geology I (6 CP)	Bachelor's Thesis (12 CP)	
	Non-University Internship (6 CP)****			Interdisciplinary Courses (6 CP)***		Geothermal Energy I (6 CP)		
Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP	Ø 20 CP

\* consists of main field exercise HVDC I (6 days) and mapping course (10 days)

\*\* consists of mapping course II (10 days)

\*\*\* choose between Geophysics; Field Exercises III; Atmosphere II; Polarization Microscopy III; Analytical Methods in Geosciences; Tectonophysics.

\*\*\*\* duration: six weeks non-university