

Course of Study Civil Engineering (Study Cohort w21)

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Sample course plan B Master Civil Engineering (BAUMS)

Specialisation Geotechnical Engineering

1	Finite Elements Methods		Building Materials and Building Preservation		Study Work Foundation Engineering	Selected Topics in Civil Engineering (part 2)
2	Finite Element Methods	VL 2	Mineral Building Materials	VL 2		Selection from a catalog
3	Finite Element Methods	HÜ 2	Transport Processes in Building Materials and Damage Processes	VL 1		
4			Repair of Structures	VL 1		
5			Technology of mineral Building Materials	PBL 1		
6						
7	Sustainability and Risk Management		Marine Geotechnics		Concrete Structures	
8	Environment and Sustainability	VL 2	Marine Geotechnics	VL 1	Structural Concrete Members	VL 2
9	Safety, Reliability and Risk Assessment	SE 2	Marine Geotechnics	HÜ 2	Structural Concrete Members	HÜ 2
10			Steel Structures in Foundation and Hydraulic Engineering	VL 2	Concrete Structures	SE 1
11						
12						
13	Geotechnics III		Soil Mechanics and -Dynamics		Selected Topics in Civil Engineering (part 1)	
14	Numerical Methods in Geotechnics	VL 3	Soil Mechanics - Selected Topics	VL 2	Selection from a catalog	
15	Advanced Foundation Engineering	VL 2	Soil Dynamics	VL 3		
16	Advanced Foundation Engineering	HÜ 1	Experimental Researches in Geotechnics	PR 1		
17					Excavation Law	
18					Subsoil and Underground Engineering Law	VL 2
19					Service Contract and Procurement Law	VL 2
19	Coastal Hydraulic Engineering I		Harbour Engineering and Harbour Planning			
20	Basics of Coastal Engineering	VL 3	Port Planning and Port Construction	VL 2		
21	Basics of Coastal Engineering	PBL 1	Harbour Engineering	VL 2		
22			Harbour Engineering	PBL 1		
23						
24						
25	Underground Constructions					
26	Introduction to tunnel construction	VL 1				
27	Introduction to tunnel construction	HÜ 1				
28	Applied Tunnel Constructions	VL 2				
29						
30						
31						
32						
33						
Business & Management (from catalogue) - 6LP						
Non-technical Courses for Master (from catalogue) - 6LP						

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

