

# Course of Study Civil Engineering (Study Cohort w19)

Sample course plan B Master Civil Engineering (BAUMS)

		Semester 2		Semester 3		Semester 4	
Specialisation Geotechnical Engineering		Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk
1	<b>Finite Elements Methods</b>			<b>Building Materials and Building Preservation</b>		<b>Study Work Foundation Engineering</b>	<b>Selected Topics in Civil Engineering (part 2)</b>
2	Finite Element Methods	VL	2	Mineral Building Materials	VL		Selection from a catalog
3	Finite Element Methods	HÜ	2	Transport Processes in Building Materials and Damage Processes	VL		
4				Repair of Structures	VL		
5				Technology of mineral Building Materials	PBL		
6							
7	<b>Sustainability and Risk Management</b>			<b>Marine Geotechnics and Numerics</b>		<b>Concrete Structures</b>	
8	Environment and Sustainability	VL	2	Numerical Methods in Geotechnics	VL	Structural Concrete Members	VL
9	Safety, Reliability and Risk Assessment	SE	2	Marine Geotechnics	VL	Structural Concrete Members	HÜ
10				Marine Geotechnics	HÜ	Concrete Structures	SE
11							
12							
13	<b>Advanced Foundation Engineering and Soil Laboratory Course</b>			<b>Soil Mechanics and -Dynamics</b>		<b>Selected Topics in Civil Engineering (part 1)</b>	
14	Advanced Foundation Engineering	VL	2	Soil Mechanics - Selected Topics	VL	Selection from a catalog	
15	Advanced Foundation Engineering	HÜ	1	Soil Dynamics	VL		
16	Soil Laboratory Course	PR	1	Experimental Researches in Geotechnics	PR		
17						<b>Excavation Law and Projects</b>	
18						Subsoil and Underground Engineering Law	VL
19	<b>Coastal Hydraulic Engineering I</b>			<b>Harbour Engineering and Harbour Planning</b>		Project Geotechnics	PBL
20	Basics of Coastal Engineering	VL	3	Port Planning and Port Construction	VL	Service Contract and Procurement Law	VL
21	Basics of Coastal Engineering	PBL	1	Harbour Engineering	VL		
22				Harbour Engineering	PBL		
23							
24							
25	<b>Structures in Foundation and Hydraulic Engineering</b>						
26	Underground Constructions	VL	1				
27	Steel Structures in Foundation and Hydraulic Engineering	VL	2				
28	Underground Constructions	HÜ	1				
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.

