

# 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 C Master Civil Engineering (BAUMS)

Specialisation Coastal Engineering			
1	<b>Finite Elements Methods</b>		<b>Marine Geotechnics</b>
2	Finite Element Methods VL 2		Marine Geotechnics VL 1
3	Finite Element Methods HÜ 2		Marine Geotechnics HÜ 2
4			Steel Structures in Foundation and Hydraulic Engineering VL 2
5			
6			
7	<b>Sustainability and Risk Management</b>		<b>Coastal Hydraulic Engineering II</b>
8	Environment and Sustainability VL 2		Coastal- and Flood Protection VL 2
9	Safety, Reliability and Risk Assessment SE 2		Maintenance and Defence of Flood Protection Structures VL 2
10			Coastal- and Flood Protection PBL 1
11			
12			
13	<b>Geotechnics III</b>		<b>Harbour Engineering and Harbour Planning</b>
14	Numerical Methods in Geotechnics VL 3		Port Planning and Port Construction VL 2
15	Advanced Foundation Engineering VL 2		Harbour Engineering VL 2
16	Advanced Foundation Engineering HÜ 1		Harbour Engineering PBL 1
17			
18			<b>Selected Topics in Civil Engineering (part 1)</b>
19	<b>Coastal Hydraulic Engineering I</b>		<b>Subsurface Processes</b>
20	Basics of Coastal Engineering VL 3		Subsurface Solute Transport VL 2
21	Basics of Coastal Engineering PBL 1		Subsurface Solute Transport HÜ 1
22			Modelling of Subsurface Processes GÜ 3
23			
24			
25	<b>Underground Constructions</b>		
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.

