

Course of Study Civil Engineering (Study Cohort w20)

Sample course plan C Master Civil Engineering (BAUMS)

Legend: Core Qualification Compulsory, Specialisation Compulsory, Focus Compulsory, Thesis Compulsory, Core Qualification Elective Compulsory, Specialisation Elective Compulsory, Focus Elective Compulsory, Interdisciplinary complement

Specialisation Coastal Engineering			
1	Finite Elements Methods		Marine Geotechnics
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	Sustainability and Risk Management		Coastal Hydraulic Engineering II
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	Geotechnics III		Harbour Engineering and Harbour Planning
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			
19	Coastal Hydraulic Engineering I		Modelling of Hydraulic Engineering
20	Basics of Coastal Engineering VL 3		Modelling of Flow in Rivers and Estuaries VL 3
21	Basics of Coastal Engineering PBL 1		Modelling of Waves PBL 1
22			Hydraulic Models 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.

