

Course of Study Civil Engineering (Study Cohort w18)

Sample course plan C Master Civil Engineering (BAUMS)
Specialisation Coastal Engineering

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

LP	Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk
1	Finite Elements Methods		Marine Geotechnics and Numerics		Study Work Harbour and Coastal Engineering		Selected Topics in Civil Engineering (part 2)	
2	Finite Element Methods	VL 2	Numerical Methods in Geotechnics	VL 3			Selection from a catalog	
3	Finite Element Methods	HÜ 2	Marine Geotechnics	VL 1			Master Thesis	
4	Finite Element Methods		Marine Geotechnics	HÜ 1				
5								
6								
7	Sustainability and Risk Management		Coastal Hydraulic Engineering II		Water Protection			
8	Environment and Sustainability	VL 2	Coastal- and Flood Protection	VL 2	Water Protection and Wastewater Management	VL 3		
9	Safety, Reliability and Risk Assessment	SE 2	Maintenance and Defence of Flood Protection Structures	VL 2	Water Protection and Wastewater Management	PS 3		
10			Coastal- and Flood Protection	PBL 1				
11								
12								
13	Advanced Foundation Engineering and Soil Laboratory Course		Harbour Engineering and Harbour Planning		Groundwater			
14	Advanced Foundation Engineering	VL 2	Port Planning and Port Construction	VL 2	Geohydraulic and Solute Transport	VL 2		
15	Advanced Foundation Engineering	HÜ 1	Harbour Engineering	VL 2	Geohydraulic and Solute Transport	UE 1		
16	Advanced Foundation Engineering		Harbour Engineering	PBL 1	Simulation in Groundwater Hydrology	VL 1		
17	Soil Laboratory Course	PR 1			Simulation in Groundwater Hydrology	UE 2		
18								
19	Coastal Hydraulic Engineering I		Modelling of Hydraulic Engineering		Selected Topics in Civil Engineering (part 1)			
20	Basics of Coastal Engineering	VL 3	Modelling of Flow in Rivers and Estuaries	VL 3	Selection from a catalog			
21	Basics of Coastal Engineering	PBL 1	Modelling of Waves	PBL 1				
22			Hydraulic Models	PBL 1				
23								
24								
25	Structures in Foundation and Hydraulic Engineering							
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								
Nontechnical Elective Complementary 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.

