

# Course of Study Civil Engineering (Study Cohort w19)

Legend: 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		Semester 2		Semester 3		Semester 4				
	Form	Hrs/wk		Form	Hrs/wk		Form	Hrs/wk		
1	<b>Finite Elements Methods</b>		<b>Marine Geotechnics and Numerics</b>		<b>Study Work Harbour and Coastal Engineering</b>		<b>Selected Topics in Civil Engineering (part 2)</b>			
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			<b>Master Thesis</b>			
4			Marine Geotechnics	HÜ 2						
5										
6										
7	<b>Sustainability and Risk Management</b>		<b>Coastal Hydraulic Engineering II</b>		<b>Water Protection</b>					
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	<b>Advanced Foundation Engineering and Soil Laboratory Course</b>		<b>Harbour Engineering and Harbour Planning</b>		<b>Groundwater</b>					
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	GÜ 1				
16	Soil Laboratory Course	PR 1	Harbour Engineering	PBL 1	Simulation in Groundwater Hydrology	VL 1				
17					Simulation in Groundwater Hydrology	GÜ 2				
18										
19	<b>Coastal Hydraulic Engineering I</b>		<b>Modelling of Hydraulic Engineering</b>		<b>Selected Topics in Civil Engineering (part 1)</b>					
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	<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.

