

# Course of Study Civil Engineering (Study Cohort w24)

Sample course plan C Master Civil Engineering (BAUMS) Dual study program

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	<b>Practical module 1 (dual study program, Master's degree)</b>	<b>Practical module 2 (dual study program, Master's degree)</b>	<b>Practical module 3 (dual study program, Master's degree)</b>
2	Practical term 1 0	Practical term 2 0	Practical term 3 0
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11	<b>Sustainable Circular Economy</b>	<b>Marine Geotechnics</b>	<b>Coastal Hydraulic Engineering II</b>
12	Environment and Sustainability VL 2	Marine Geotechnics VL 1	Coastal- and Flood Protection VL 2
13	Circular Economy SE 2	Marine Geotechnics HÜ 2	Maintenance and Defence of Flood Protection Structures VL 2
14		Steel Structures in Foundation and Hydraulic Engineering VL 2	Coastal- and Flood Protection PBL 1
15			
16			
17	<b>Finite elements</b>	<b>Coastal Hydraulic Engineering I</b>	<b>Study Work Harbour and Coastal Engineering</b>
18	Finite elements VL 3	Basics of Coastal Engineering VL 3	
19	Finite elements HÜ 2	Basics of Coastal Engineering PBL 1	
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22			
23	<b>Geotechnics III</b>	<b>Harbour Engineering and Harbour Planning</b>	<b>Water Protection</b>
24	Numerical Methods in Geotechnics VL 3	Port Planning and Port Construction VL 2	Water Protection and Wastewater Management VL 3
25	Advanced Foundation Engineering VL 2	Harbour Engineering VL 2	Water Protection and Wastewater Management PS 3
26	Advanced Foundation Engineering HÜ 1	Harbour Engineering PBL 1	
27			
28			
29	<b>Underground Constructions</b>	<b>Modelling of Hydraulic Engineering</b>	<b>Selected Topics in Civil Engineering (part 1)</b>
30	Introduction to tunnel construction VL 1	Modelling of Flow in Rivers and Estuaries VL 3	Selection from a catalog
31	Introduction to tunnel construction HÜ 1	Modelling of Waves PBL 1	
32	Applied Tunnel Constructions VL 2	Hydraulic Models PBL 1	
33			<b>Subsurface Processes</b>
34			Subsurface Solute Transport VL 2
35			Subsurface Solute Transport HÜ 1
36			Modeling of Subsurface Processes GÜ 3
37			
Business & Management (from catalogue) - 6LP			
Linking theory and practice (dual study program, Master's degree) (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.

