Course of Study Civil Engineering (Study Cohort w24)

_				Core Qualification Compulsory	Specialisation Compul		Focus Compulsory	Thesis Compulsory
mple course plan E Master Civil Engineerin	g (BAUMS)			Core Qualification Elective Compulso	Specialisation Elective	Compulsory	Focus Elective Compulsory	Interdisciplinary complement
ecialisation Computational Engineering								
Sustainable Circular Economy		Modelling of Hydraulic Engineering		Nonlinear Structural Analysis		Selected To	opics in Civil Engineering (part 2)	
Environment and Sustainability	VL 2	Modelling of Flow in Rivers and Estuaries	VL 3	Nonlinear Structural Analysis	VL 3	Selection fro	om a catalog	
Circular Economy	SE 2	Modelling of Waves	PBL 1	Nonlinear Structural Analysis	GÜ 1			
		Hydraulic Models	PBL 1					
						Master The	esis	
Finite elements		Thin-walled structures		Study work computational engineering				
Finite elements	VL 3	Thin-walled structures	VL 2					
Finite elements	HŪ 2	Thin-walled structures	HÜ 2					
2								
Geotechnics III Numerical Methods in Geotechnics	VL 3	Digital Twinning in Civil Engineering Digital Twinning in Civil Engineering	VL 2	Finite element modeling of structures Finite element modeling of structures	VL 2			
Numerical Methods in Geotechnics Advanced Foundation Engineering	VL 2	Digital Twinning in Civil Engineering	SE 2	Finite element modeling of structures	GÜ 2			
Advanced Foundation Engineering	HÜ 1							
Construction Robotics		Soil Mechanics and -Dynamics		Selected Topics in Civil Engineering (part 1)				
Construction Robotics	PBL 6	Soil Mechanics - Selected Topics	VL 2	Selection from a catalog				
		Soil Dynamics	VL 2					
		Experimental Researches in Geotechnics	PR 2					
2				Modern discretization methods in structural mechanics Modern discretization methods in structural mechanics	VL 2			
3				Modern discretization methods in structural mechanics	GÜ 2			
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3								
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3								
Business & Management (from catalogue) - 6LP								
Non-technical Courses for Master (from catalogu	ie) - 6l P							

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.