

Course of Study Civil Engineering (Study Cohort w24)

Sample course plan B 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 Geotechnical Engineering

1	Practical module 1 (dual study program, Master's degree) Practical term 1 0	Practical module 2 (dual study program, Master's degree) Practical term 2 0	Practical module 3 (dual study program, Master's degree) Practical term 3 0	Selected Topics in Civil Engineering (part 2) Selection from a catalog Master thesis (dual study program)	
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11	Sustainable Circular Economy Environment and Sustainability VL 2 Circular Economy SE 2	Building Materials and Building Preservation Mineral Building Materials VL 2 Transport Processes in Building Materials and Damage Processes VL 1 Repair of Structures VL 1 Technology of mineral Building Materials PBL 1	Study Work Foundation Engineering		
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16	Finite elements Finite elements VL 3 Finite elements HÜ 2	Marine Geotechnics Marine Geotechnics VL 1 Marine Geotechnics HÜ 2 Steel Structures in Foundation and Hydraulic Engineering VL 2	Concrete Structures Structural Concrete Members VL 2 Structural Concrete Members HÜ 2 Concrete Structures SE 1		
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20	Geotechnics III Numerical Methods in Geotechnics VL 3 Advanced Foundation Engineering VL 2 Advanced Foundation Engineering HÜ 1	Soil Mechanics and -Dynamics Soil Mechanics - Selected Topics VL 2 Soil Dynamics VL 2 Experimental Researches in Geotechnics PR 2	Selected Topics in Civil Engineering (part 1) Selection from a catalog		
21					
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23			Underground Constructions Introduction to tunnel construction VL 1 Introduction to tunnel construction HÜ 1 Applied Tunnel Constructions VL 2	Coastal Hydraulic Engineering I Basics of Coastal Engineering VL 3 Basics of Coastal Engineering PBL 1	Finite element modeling of structures Finite element modeling of structures VL 2 Finite element modeling of structures GÜ 2
24					
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26	Harbour Engineering and Harbour Planning Port Planning and Port Construction VL 2 Harbour Engineering VL 2 Harbour Engineering PBL 1				
27					
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30	Business & Management (from catalogue) - 6LP Linking theory and practice (dual study program, Master's degree) (from catalogue) - 6LP				
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The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

