

# Course of Study Civil Engineering (Study Cohort w24)

Sample course plan A 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 Structural Engineering			
1	<b>Practical module 1 (dual study program, Master's degree)</b> Practical term 1 0	<b>Practical module 2 (dual study program, Master's degree)</b> Practical term 2 0	<b>Practical module 3 (dual study program, Master's degree)</b> Practical term 3 0
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11	<b>Sustainable Circular Economy</b> Environment and Sustainability VL 2 Circular Economy SE 2	<b>Design of Prestressed Structures and Concrete Bridges</b> Design of Prestressed Structures and Concrete Bridges VL 3 Design of Prestressed Structures and Concrete Bridges HÜ 2	<b>Study Work Structural Engineering</b>
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17	<b>Finite elements</b> Finite elements VL 3 Finite elements HÜ 2	<b>Statics and Dynamics of Structures</b> Fracture mechanics and fatigue in steel structures VL 1 Fracture mechanics and fatigue in steel structures HÜ 1 Structural Dynamics VL 2 Structural Dynamics HÜ 2	<b>Selected Topics in Civil Engineering (part 1)</b> Selection from a catalog
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23	<b>Geotechnics III</b> Numerical Methods in Geotechnics VL 3 Advanced Foundation Engineering VL 2 Advanced Foundation Engineering HÜ 1	<b>Steel Construction Project</b> Steel Construction Project PS 4	<b>Finite element modeling of structures</b> Finite element modeling of structures VL 2 Finite element modeling of structures GÜ 2
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27	<b>Concrete Structures</b> Structural Concrete Members VL 2 Structural Concrete Members HÜ 2 Concrete Structures SE 1	<b>Marine Geotechnics</b> Marine Geotechnics VL 1 Marine Geotechnics HÜ 2 Steel Structures in Foundation and Hydraulic Engineering VL 2	
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34	<b>Steel and Composite Structures</b> Steel Bridges VL 2 Steel and Composite Structures VL 2 Steel and Composite Structures HÜ 2	<b>Thin-walled structures</b> Thin-walled structures VL 2 Thin-walled structures HÜ 2	
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38	Business & Management (from catalogue) - 6LP		
39	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.

