

Course of Study Civil- and Environmental Engineering (Study Cohort w22)

Sample course plan B Bachelor Civil- and Environmental Engineering (BUBS)

Specialisation Civil Engineering																																							
1	Principles of Building Materials and Building Physics Principles of Building Materials VL 2 Building Physics VL 2 Building Physics HÜ 1 Building Physics GÜ 1					Building Materials and Building Chemistry Building Materials and Building Chemistry VL 4 Building Materials and Building Chemistry GÜ 1					Structural Design Basics of Structural Design VL 2 Basics in Structural Design HÜ 1 Basics in Structural Design PBL 2					Reinforced Concrete Structures I Reinforced Concrete Design I VL 2 Reinforced Concrete Design I HÜ 2 Project Seminar Concrete I SE 1					Steel Structures I Steel Structures I VL 2 Steel Structures I HÜ 2					Applications in Civil / Environmental Engineering (part 2) Selection from a catalog													
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7	Chemistry Chemistry I+II VL 4 Chemistry I+II HÜ 2					Construction Industry and Construction Management Environmental Law VL 1 Construction Management VL 2 Construction Management HÜ 1 Law of Building Contracts VL 1					Geotechnics I Soil Mechanics VL 2 Soil Mechanics HÜ 2 Soil Mechanics GÜ 2					Sanitary Engineering I Wastewater Disposal VL 2 Wastewater Disposal HÜ 1 Drinking Water Supply VL 2 Drinking Water Supply HÜ 1					Hydraulic Engineering Hydraulics VL 1 Hydraulics PBL 1 Hydraulic Engineering VL 2 Hydraulic Engineering PBL 1					Steel Structures II Steel Structures II VL 2 Steel Structures II HÜ 2													
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11																																							
12																																							
13	Mathematics I Mathematics I VL 4 Mathematics I HÜ 2 Mathematics I GÜ 2					Mathematics II Mathematics II VL 4 Mathematics II HÜ 2 Mathematics II GÜ 2					Hydromechanics and Hydrology Hydromechanics VL 2 Hydromechanics PBL 1 Hydrology VL 1 Hydrology PBL 1					Structural Analysis II Structural Analysis II VL 2 Structural Analysis II HÜ 2 Structural Analysis II GÜ 1					Applications in Civil / Environmental Engineering (part 1) Selection from a catalog					Computational Structural Mechanics Computational Structural Mechanics IV 2 Computational Structural Mechanics GÜ 1													
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19	Engineering Mechanics I (Stereostatics) Engineering Mechanics I VL 2 Engineering Mechanics I GÜ 2 Engineering Mechanics I HÜ 1					Water and Environment Water in the Environment VL 2 Project on Water, Environment, Traffic PBL 2					Structural Analysis I Structural Analysis I VL 2 Structural Analysis I HÜ 2 Structural Analysis I GÜ 1					Geotechnics II Foundation Engineering VL 2 Foundation Engineering HÜ 2 Foundation Engineering GÜ 2					Reinforced Concrete Structures II Concrete Structures II VL 2 Concrete Structures II HÜ 2 Project Concrete Structures II PS 1					Bachelor Thesis													
20																																							
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25						Engineering Mechanics II (Elastostatics) Engineering Mechanics II VL 2 Engineering Mechanics II GÜ 2 Engineering Mechanics II HÜ 2					Mathematics III Analysis III VL 2 Analysis III GÜ 1 Analysis III HÜ 1 Differential Equations 1 VL 2 Differential Equations 1 GÜ 1 Differential Equations 1 HÜ 1					Sustainable Building Circular flow economy and structural recycling IV 2 Sustainable building materials and buildings IV 2 Sustainable water management and hydraulic engineering IV 2					Engineering Informatics Object-oriented Modelling IV 2 Object-oriented Modelling GÜ 2 Databases IV 1 Databases GÜ 1																		
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Non-technical Courses for Bachelors (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.

