

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

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

Specialisation Water and Environment																																							
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																		
2																																							
3																																							
4																																							
5																																							
6																																							
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				Sanitary Engineering II Drinking Water Treatment SE 2 Management of Wastewater Infrastructure SE 2																		
8																																							
9																																							
10																																							
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				Applied Water Management Numerical modelling of soil water dynamics VL 2 Numerical modelling of soil water dynamics PBL 2 Nature-oriented Hydraulic Engineering PBL 2																		
14																																							
15																																							
16																																							
17																																							
18																																							
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				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				Transportation Planning and Traffic Engineering Transport Planning and Traffic Engineering PBL 4				Bachelor Thesis																		
20																																							
21																																							
22																																							
23																																							
24																																							
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				Renewable Energies Renewable Energies I VL 2 Renewable Energies II VL 2 Renewable Energies I HÜ 1 Fuels II VL 1																														
26																																							
27																																							
28																																							
29																																							
30																																							
31																																							
32																																							
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.

