

Course of Study Civil- and Environmental Engineering (Study Cohort w21)

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

Specialisation: Civil Engineering		Semester 2		Semester 3		Semester 4		Semester 5		Semester 6		
	Form Hrs/wk		Form Hrs/wk		Form Hrs/wk		Form Hrs/wk		Form Hrs/wk		Form Hrs/wk	
1		Principles of Building Materials and Building Physics		Building Materials and Building Chemistry		Structural Design		Reinforced Concrete Structures I		Steel Structures I		Applications in Civil / Environmental Engineering (part 2)
2		Principles of Building Materials VL 2		Building Materials and Building Chemistry VL 4		Basics of Structural Design VL 2		Reinforced Concrete Design I VL 2		Steel Structures I VL 2		Selection from a catalog
3		Building Physics VL 2		Building Materials and Building Chemistry GÜ 1		Basics in Structural Design HÜ 1		Reinforced Concrete Design I HÜ 2		Steel Structures I HÜ 2		
4		Building Physics HÜ 1				Basics in Structural Design PBL 2		Project Seminar Concrete I SE 1				
5		Building Physics GÜ 1										
6												Steel Structures II
7												Steel Structures II VL 2
8		Chemistry		Construction Industry and Construction Management		Geotechnics I		Sanitary Engineering I		Hydraulic Engineering		Steel Structures II HÜ 2
9		Chemistry I+II VL 4		Environmental Law VL 1		Soil Mechanics VL 2		Wastewater Disposal VL 2		Hydraulics VL 1		
10		Chemistry I+II HÜ 2		Construction Management VL 2		Soil Mechanics HÜ 2		Wastewater Disposal HÜ 1		Hydraulics PBL 1		
11				Construction Management HÜ 1		Soil Mechanics GÜ 2		Drinking Water Supply VL 2		Hydraulic Engineering VL 2		
12				Law of Building Contracts VL 1				Drinking Water Supply HÜ 1		Hydraulic Engineering PBL 1		
13												Structural Mechanics
14		Mathematics I		Mechanics II: Mechanics of Materials		Hydromechanics and Hydrology		Structural Analysis II		Applications in Civil / Environmental Engineering (part 1)		Structural Mechanics IV 2
15		Linear Algebra I VL 2		Mechanics II VL 2		Hydromechanics VL 2		Structural Analysis II VL 2		Selection from a catalog		
16		Linear Algebra I GÜ 1		Mechanics II GÜ 2		Hydromechanics PBL 1		Structural Analysis II HÜ 2				Bachelor Thesis
17		Linear Algebra I HÜ 1		Mechanics II HÜ 2		Hydrology VL 1		Structural Analysis II				
18		Analysis I VL 2				Hydrology PBL 1						
19		Analysis I GÜ 1										
20		Analysis I HÜ 1		Mathematics II		Structural Analysis I		Geotechnics II		Reinforced Concrete Structures II		
21				Linear Algebra II VL 2		Structural Analysis I VL 2		Foundation Engineering VL 2		Concrete Structures II VL 2		
22		Mechanics I (Statics)		Linear Algebra II GÜ 1		Structural Analysis I HÜ 2		Foundation Engineering HÜ 2		Concrete Structures II HÜ 2		
23		Mechanics I VL 2		Linear Algebra II HÜ 1				Foundation Engineering GÜ 2		Project Concrete Structures II PS 1		
24		Mechanics I GÜ 2		Analysis II VL 2								
25		Mechanics I HÜ 1		Analysis II HÜ 1								
26				Analysis II GÜ 1		Mathematics III		Sustainable Building		Engineering Informatics		
27						Analysis III VL 2		Sustainable Building SE 3		Object-oriented Modelling IV 2		
28				Water and Environment		Analysis III GÜ 1		Circular flow economy and structural recycling PBL 3		Object-oriented Modelling GÜ 2		
29				Water in the Environment VL 2		Analysis III HÜ 1				Databases IV 1		
30				Project on Water, Environment, Traffic PBL 2		Differential Equations 1 VL 2				Databases GÜ 1		
31						Differential Equations 1 GÜ 1						
32						Differential Equations 1 HÜ 1						

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.

