

Course of Study Civil- and Environmental Engineering (Study Cohort w23)

Sample course plan B Bachelor Civil- and Environmental Engineering (BUBS) 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 Civil Engineering								
1	Principles of Building Materials and Building Physics		Building Materials and Building Chemistry		Structural Design		Reinforced Concrete Structures I	
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
3	Building Physics	VL 2	Building Materials and Building Chemistry	GÜ 1	Basics in Structural Design	HÜ 1	Reinforced Concrete Design 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								
7	Chemistry		Construction Industry and Construction Management		Geotechnics I		Sanitary Engineering I	
8	Chemistry I+II	VL 4	Environmental Law	VL 1	Soil Mechanics	VL 2	Wastewater Disposal	VL 2
9	Chemistry I+II	HÜ 2	Construction Management	VL 2	Soil Mechanics	HÜ 2	Wastewater Disposal	HÜ 1
10			Construction Management	HÜ 1	Soil Mechanics	GÜ 2	Drinking Water Supply	VL 2
11			Law of Building Contracts	VL 1			Drinking Water Supply	HÜ 1
12								
13	Mathematics I		Mathematics II		Hydromechanics and Hydrology		Structural Analysis II	
14	Mathematics I	VL 4	Mathematics II	VL 4	Hydromechanics	VL 2	Structural Analysis II	VL 2
15	Mathematics I	HÜ 2	Mathematics II	HÜ 2	Hydromechanics	PBL 1	Structural Analysis II	HÜ 2
16	Mathematics I	GÜ 2	Mathematics II	GÜ 2	Hydrology	VL 1	Structural Analysis II	GÜ 1
17								
18								
19								
20					Structural Analysis I		Practical module 4 (dual study program, Bachelor's degree)	
21	Engineering Informatics		Water and Environment		Structural Analysis I	VL 2	Practical term 4	0
22	Object-oriented Modelling	IV 2	Water in the Environment	VL 2	Structural Analysis I	HÜ 2		
23	Object-oriented Modelling	GÜ 2	Project on Water, Environment, Traffic	PBL 2	Structural Analysis I	GÜ 1		
24	Databases	IV 1						
25	Databases	GÜ 1						
26					Mathematics III - Differential Equations I		Geotechnics II	
27	Practical module 1 (dual study program, Bachelor's degree)		Practical module 2 (dual study program, Bachelor's degree)		Differential Equations 1	VL 2	Foundation Engineering	VL 2
28	Practical term 1	0	Practical term 2	0	Differential Equations 1	GÜ 1	Foundation Engineering	HÜ 2
29					Differential Equations 1	HÜ 1	Foundation Engineering	GÜ 2
30					Practical module 3 (dual study program, Bachelor's degree)			
31					Practical term 3	0		
32							Sustainable Building	
33	Engineering Mechanics I (Stereostatics)		Engineering Mechanics II (Elastostatics)				Circular flow economy and structural recycling	IV 2
34	Engineering Mechanics I	VL 2	Engineering Mechanics II	VL 2			Sustainable building materials and buildings	IV 2
35	Engineering Mechanics I	GÜ 2	Engineering Mechanics II	GÜ 2			Sustainable water management and hydraulic engineering	IV 2
36	Engineering Mechanics I	HÜ 1	Engineering Mechanics II	HÜ 2				
37								
38								
Linking theory and practice (dual study program, Bachelor's degree) (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.

