

Course of Study Civil- and Environmental Engineering (Study Cohort w17)

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

Legend:	Core qualification Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Thesis Compulsory
	Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk	Semester 5	Form	Hrs/wk	Semester 6	Form	Hrs/wk																				
1	Principles of Building Materials and Building Physics			Structural Design			Hydraulic Engineering I			Reinforced Concrete I			Steel Structures I			Steel Structures II																						
2																			Basics of Structural Design	VL	2	Hydromechanics	VL	2	Reinforced Concrete	VL	2	Steel Structures I	VL	2	Steel Structures II	VL	2					
3																			Principles of Building Materials	VL	2	Seminar in Structural Design	HÜ	1	Hydromechanics	HÜ	1	Design I			Steel Structures I	HÜ	2	Steel Structures II	HÜ	2		
4																			Building Physics	VL	2	Seminar in Structural Design	SE	2	Hydrology	VL	1	Reinforced Concrete Design I	HÜ	2								
5																			Building Physics	HÜ	1				Hydrology	PBL	1	Project Seminar Concrete I	SE	1								
6																			Building Physics	UE	1																	
7	Chemistry			Building Materials and Building Chemistry			Structural Analysis I			Civil- and Environmental Management			Water Management			Sanitary Engineering																						
8																			Chemistry I	VL	2	Building Materials and Building Chemistry	VL	4	Structural Analysis I	VL	2	Environmental Law	VL	1	Groundwater Hydrology	VL	1	Wastewater Disposal	VL	2		
9																			Chemistry II	VL	2	Building Materials and Building Chemistry	UE	1	Structural Analysis I	HÜ	2	Construction Management	VL	2	Groundwater Hydrology	HÜ	1	Wastewater Disposal	HÜ	1		
10																			Chemistry I	HÜ	1	Building Materials and Building Chemistry					Construction Management	HÜ	1	Construction Management	HÜ	1	Water Management and Water Quality	VL	2	Drinking Water Supply	VL	2
11																			Chemistry II	HÜ	1						Law of Building Contracts	VL	1					Drinking Water Supply	HÜ	1		
12																																						
13	Mathematics I			Mechanics II: Mechanics of Materials			Foundations of Management			Geotechnics I			Concrete Structures II			Bachelor Thesis																						
14																			Linear Algebra I	VL	2	Mechanics II	VL	2	Introduction to Management	VL	3	Soil Mechanics	VL	2	Concrete Structures II	VL	2					
15																			Linear Algebra I	UE	1	Mechanics II	UE	2	Management Tutorial	HÜ	2	Soil Mechanics	HÜ	2	Concrete Structures II	HÜ	2					
16																			Linear Algebra I	HÜ	1	Mechanics II	HÜ	2			Soil Mechanics	UE	2	Project Concrete Structures II	PS	1						
17																			Analysis I	VL	2																	
18				Analysis I	UE	1																																
19				Analysis I	HÜ	1	Mathematics II			Mathematics III			Structural Analysis II						Geotechnics II																			
20				Analysis I	VL	2																Linear Algebra II	UE	1	Analysis III	VL	2	Structural Analysis II	VL	2	Foundation Engineering	VL	2					
21				Mechanics I (Statics)																		Linear Algebra II	UE	1	Analysis III	UE	1	Structural Analysis II	HÜ	2	Foundation Engineering	HÜ	2					
22																						Mechanics I	VL	2	Linear Algebra II	HÜ	1	Analysis III	HÜ	1			Foundation Engineering	UE	2			
23	Mechanics I	UE	2													Analysis II	VL	2				Differential Equations 1	VL	2														
24	Mechanics I	HÜ	1				Analysis II	HÜ	1	Differential Equations 1	UE	1																										
25				Analysis II	UE	1	Differential Equations 1	HÜ	1	Hydraulic Engineering II			Transportation Planning and Traffic Engineering																									
26				Analysis II	UE	1	Differential Equations 1	HÜ	1									Hydraulics	VL	1	Transport Planning and Traffic Engineering	PBL	4															
27																		Hydraulics	HÜ	1																		
28				Waste and Soil			Applications in Civil and Environmental Engineering (part 1)																															
29																			Waste resource Management	VL	2	Selection from a catalog			Hydraulic Engineering	VL	2											
30																			Waste Resource Management	HÜ	1				Hydraulic Engineering	HÜ	1											
31				Waste, Biology and Soil	VL	2				Applications in Civil and Environmental Engineering (part 2)																												
32																		Selection from a catalog																				
33																																						

Nontechnical Complementary 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.

