

# Course of Study Civil- and Environmental Engineering (Study Cohort w18)

Legend:  
 Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Interdisciplinary complement

Sample course plan - Bachelor Civil- and Environmental Engineering (BUBS)	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	<b>Principles of Building Materials and Building Physics</b>	<b>Structural Design</b>	<b>Hydraulic Engineering I</b>	<b>Reinforced Concrete I</b>	<b>Steel Structures I</b>
2	Principles of Building Materials VL 2	Basics of Structural Design VL 2	Hydromechanics VL 2	Reinforced Concrete Design I VL 2	Steel Structures I VL 2
3	Building Physics VL 2	Exercises in Structural Design HÜ 1	Hydromechanics HÜ 1	Reinforced Concrete Design I HÜ 2	Steel Structures I HÜ 2
4	Building Physics HÜ 1	Seminar in Structural Design PBL 2	Hydrology VL 1	Project Seminar Concrete I SE 1	
5	Building Physics GÜ 1		Hydrology PBL 1		
6					
7	<b>Chemistry</b>	<b>Building Materials and Building Chemistry</b>	<b>Structural Analysis I</b>	<b>Civil- and Environmental Management</b>	<b>Water Management</b>
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
9	Chemistry II VL 2	Building Materials and Building Chemistry GÜ 1	Structural Analysis I HÜ 2	Construction Management VL 2	Groundwater Hydrology HÜ 1
10	Chemistry I HÜ 1			Construction Management HÜ 1	Water Management and Water Quality VL 2
11	Chemistry II HÜ 1			Law of Building Contracts VL 1	
12					
13	<b>Mathematics I</b>	<b>Mechanics II: Mechanics of Materials</b>	<b>Foundations of Management</b>	<b>Geotechnics I</b>	<b>Reinforced Concrete Structures II</b>
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 GÜ 1	Mechanics II GÜ 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 GÜ 2	Project Concrete Structures II PS 1
17	Analysis I VL 2				
18	Analysis I GÜ 1				
19	Analysis I HÜ 1				
20		<b>Mathematics II</b>	<b>Mathematics III</b>	<b>Structural Analysis II</b>	<b>Geotechnics II</b>
21		Linear Algebra II VL 2	Analysis III VL 2	Structural Analysis II VL 2	Foundation Engineering VL 2
22	<b>Mechanics I (Statics)</b>	Linear Algebra II GÜ 1	Analysis III GÜ 1	Structural Analysis II HÜ 2	Foundation Engineering HÜ 2
23	Mechanics I VL 2	Linear Algebra II HÜ 1	Analysis III HÜ 1		Foundation Engineering GÜ 2
24	Mechanics I GÜ 2	Analysis II VL 2	Differential Equations 1 VL 2		
25	Mechanics I HÜ 1	Analysis II HÜ 1	Differential Equations 1 GÜ 1		
26		Analysis II GÜ 1	Differential Equations 1 HÜ 1	<b>Hydraulic Engineering II</b>	<b>Transportation Planning and Traffic Engineering</b>
27		<b>Waste and Soil</b>	<b>Applications in Civil and Environmental Engineering (part 1)</b>	Hydraulics VL 1	Transport Planning and Traffic Engineering PBL 4
28		Waste resource Management VL 2	Selection from a catalog	Hydraulics HÜ 1	
29		Waste resource Management HÜ 1		Hydraulic Engineering VL 2	
30		Waste, Biology and Soil VL 2		Hydraulic Engineering HÜ 1	
31					
32				<b>Applications in Civil and Environmental Engineering (part 2)</b>	
33				Selection from a catalog	

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.

