

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

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

	Core Qualification Compulsory		Specialisation Compulsory		Focus Compulsory		Thesis Compulsory	
	Core Qualification Elective Compulsory		Specialisation Elective Compulsory		Focus Elective Compulsory		Interdisciplinary complement	
Specialisation Water and Environment								
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					Hydrology	PBL 1		
18								
19								
20					Structural Analysis I		Sustainable Building	
21	Engineering Informatics		Water and Environment		Structural Analysis I	VL 2	Circular flow economy and structural recycling	IV 2
22	Object-oriented Modelling	IV 2	Water in the Environment	VL 2	Structural Analysis I	HÜ 2	Sustainable building materials and buildings	IV 2
23	Object-oriented Modelling	GÜ 2	Project on Water, Environment, Traffic	PBL 2	Structural Analysis I	GÜ 1	Sustainable water management and hydraulic engineering	IV 2
24	Databases	IV 1						
25	Databases	GÜ 1						
26					Mathematics III - Differential Equations I		Renewable Energies	
27	Engineering Mechanics I (Stereostatics)		Engineering Mechanics II (Elastostatics)		Differential Equations 1	VL 2	Renewable Energies I	VL 2
28	Engineering Mechanics I	VL 2	Engineering Mechanics II	VL 2	Differential Equations 1	GÜ 1	Renewable Energies II	VL 2
29	Engineering Mechanics I	GÜ 2	Engineering Mechanics II	GÜ 2	Differential Equations 1	HÜ 1	Renewable Energies I	HÜ 1
30	Engineering Mechanics I	HÜ 1	Engineering Mechanics II	HÜ 2			Fuels II	VL 1
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.

