Course of Study Civil- and Environmental Engineering (Study Cohort w24)

Sample course plan V Bachelor Civil- and Environmental Engineering (BUBS)
Specialisation Traffic and Mobility

#	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
1	**Principles of Building Materials and Building Physics**	**Building Materials and Building Chemistry**	**Mathematics III - Differential Equations I**	**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	Differential Equations 1 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	Differential Equations 1 GÜ 1	Reinforced Concrete Design I HÜ 2	Steel Structures I HÜ 2	
4	Building Physics HÜ 1		Differential Equations 1 HÜ 1	Project Seminar Concrete I SE 1		**Introduction to Railways**
5	Building Physics GÜ 1					Introduction to Railways VL 2
6			**Structural Design**			Introduction to Railways HÜ 1
7	**Chemistry**	**Construction Industry and Construction Management**	Basics of Structural Design VL 2	**Sanitary Engineering I**	**Hydraulic Engineering**	
8	Chemistry I+II VL 4	Environmental Law VL 1	Basics in Structural Design HÜ 1	Wastewater Treatment VL 2	Hydraulics VL 1	
9	Chemistry I+II HÜ 2	Construction Management VL 2	Basics in Structural Design PBL 2	Wastewater Treatment HÜ 1	Hydraulics PBL 1	
10		Construction Management HÜ 1		Drinking Water Supply VL 2	Hydraulic Engineering VL 2	**Geoinformation Science**
11		Law of Building Contracts VL 1		Drinking Water Supply HÜ 1	Hydraulic Engineering PBL 1	Introduction to Geoinformation Science PBL 3
12			**Hydromechanics and Hydrology**			
13	**Mathematics I**	**Mathematics II**	Hydromechanics VL 2	**Structural Analysis II**	**Applications in Civil + Environmental Engineering (part 1)**	**Planning Law and Environmental Law/ Sustainable Urban Development**
14	Mathematics I VL 4	Mathematics II VL 4	Hydromechanics PBL 1	Structural Analysis II VL 2	Selection from a catalog	
15	Mathematics I HÜ 2	Mathematics II HÜ 2	Hydrology VL 1	Structural Analysis II HÜ 3		Planning law and Environmental law VL 2
16	Mathematics I GÜ 2	Mathematics II GÜ 2	Hydrology PBL 1			Sustainable Urban Development VL 2
17					**Transportation Planning and Traffic Engineering**	
18			**Soil Mechanics**		Transport Planning and Traffic Engineering PBL 4	
19			Soil Mechanics VL 2	**Mobility Concepts**		**Bachelor Thesis**
20			Soil Mechanics HÜ 2	Mobility Research and Transportation Projects PBL 3		
21	**Engineering Informatics**	**Water and Environment**	Soil Mechanics GÜ 2	Mobility in Megacities and Developing Countries SE 3		
22	Object-oriented Modelling IV 2	Water in the Environment VL 2				
23	Object-oriented Modelling GÜ 2	Project on Water, Environment, Traffic PBL 2	**Structural Analysis I**		**Foundations of Management**	
24	Databases IV 1		Structural Analysis I VL 2		Introduction to Management VL 3	
25	Databases GÜ 1		Structural Analysis I HÜ 3		Exercise Introduction to Management GÜ 2	
26						
27	**Engineering Mechanics I (Stereostatics)**	**Engineering Mechanics II (Elastostatics)**				
28	Engineering Mechanics I VL 2	Engineering Mechanics II VL 2				
29	Engineering Mechanics I GÜ 2	Engineering Mechanics II GÜ 2				
30	Engineering Mechanics I HÜ 2	Engineering Mechanics II HÜ 2				
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.