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

Sample course plan V Bachelor Civil- and Environmental Engineering (BUBS) Dual study program

Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory

Thesis Compulsory Interdisciplinary complement

Accialis	sation Traffic and Mobility								
1 F	Principles of Building Materials and Building P	Physics	Building Materials and Building Chemistry	s	Structural Design		Reinforced Concrete Structures I	Steel Structures I	Applications in Civil + Environmental Engineering
2 ^P	Principles of Building Materials	VL 2	Building Materials and Building Chemistry VL	4 В	Basics of Structural Design	VL 2	Reinforced Concrete Design I VL 2	Steel Structures I VL 2	(part 2)
E		VL 2	Building Materials and Building Chemistry GÜ	1 B	Basics in Structural Design	HÜ 1	Reinforced Concrete Design I HŪ 2	Steel Structures I HÜ 2	Selection from a catalog
		HŪ 1		В	Basics in Structural Design	PBL 2	Project Seminar Concrete I SE 1		
4 ^B	Building Physics 0	GÜ 1							Introduction to Railways
5									Introduction to Railways VL 2
6									Introduction to Railways HÜ 1
					Geotechnics I				-
	Chemistry Chemistry I+II	VL 4	Construction Industry and Construction Manageme Environmental Law VL		Soil Mechanics	VL 2	Sanitary Engineering I Wastewater Disposal VL 2	Hydraulic Engineering Hydraulics VL 1	
0		HŪ 2			Soil Mechanics	HÜ 2	Wastewater Disposal HŪ 1	Hydraulics PBL 1	
9					Soil Mechanics	GŪ 2	Drinking Water Supply VL 2	Hydraulic Engineering VL 2	
10			Law of Building Contracts VL	1			Drinking Water Supply HŪ 1	Hydraulic Engineering PBL 1	Geoinformation Science
11									Introduction to Geoinformation Science PBL 3
12									
	Mathematics I		Mathematics II		Hydromechanics and Hydrology		Structural Analysis II	Practical module 5 (dual study program, Bachelor's	Planning Law and Environmental Law/ Sustainable
14		VL 4	Mathematics II VL		Hydromechanics	VL 2	Structural Analysis II VL 2	degree)	Urban Development
1 -		HŪ 2 GÜ 2			Hydromechanics	PBL 1	Structural Analysis II HŪ 2	Practical term 5 0	Planning law and Environmental law VL 2 Sustainable Urban Development VL 2
	Mathematics I C	30 2	Mathematics II GÜ		Hydrology Hydrology	VL 1 PBL 1	Structural Analysis II GÜ 1		
16					nyurology	FDL I			
17									
18									
19				s	Structural Analysis I		Practical module 4 (dual study program, Bachelor's	Applications in Civil + Environmental Engineering	Bachelor thesis (dual study program)
20					Structural Analysis I	VL 2	degree)	(part 1)	
				s	Structural Analysis I	HÜ 2	Practical term 4 0	Selection from a catalog	
	Engineering Informatics		Water and Environment		Structural Analysis I	GŪ 1			
22		IV 2 GÜ 2	Water in the Environment VL Project on Water, Environment, Traffic PBL						
22		30 2 IV 1	Figet of water, Environment, Hame FBE	2				Transportation Planning and Traffic Engineering	
		GÜ 1						Transport Planning and Traffic Engineering PBL 4	
25									
-					Mathematics III - Differential Equations I Differential Equations 1	VL 2	Mobility Concepts Mobility Research and Transportation Projects PBL 3		
26					Differential Equations 1	GÜ 1	Mobility in Megacities and Developing Countries SE 3		
27 F	Practical module 1 (dual study program, Bach	elor's	Practical module 2 (dual study program, Bachelor's		Differential Equations 1	HÜ 1	······, ······		
28	degree)		degree)						
29 P	Practical term 1	0	Practical term 2	0	Practical module 3 (dual study program, Ba	chelor's		Foundations of Management	
					degree)	chelor s		Introduction to Management VL 3	
30					Practical term 3	0		Management Tutorial GÜ 2	
31									
32									
	Engineering Mechanics I (Stereostatics)		Engineering Mechanics II (Elastostatics)						
33	Engineering Mechanics I (Stereostatics) Engineering Mechanics I	VL 2	Engineering Mechanics II (Elastostatics) Engineering Mechanics II VL	2					
33 1 34 1	Engineering Mechanics I	VL 2 GÜ 2	Engineering Mechanics II VL Engineering Mechanics II GÜ	2					
33 E 34 E	Engineering Mechanics I Construction Constru		Engineering Mechanics II VL	2					
33 E 34 E	Engineering Mechanics I Construction Constru	GÜ 2	Engineering Mechanics II VL Engineering Mechanics II GÜ	2					
33 E 34 E 35 E	Engineering Mechanics I Construction Constru	GÜ 2	Engineering Mechanics II VL Engineering Mechanics II GÜ	2					
33 1 34 1 35 1 36 1	Engineering Mechanics I Construction Constru	GÜ 2	Engineering Mechanics II VL Engineering Mechanics II GÜ	2					

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.