

# Course of Study Civil Engineering (Study Cohort w20)

Sample course plan D Master Civil Engineering (BAUMS)

Core Qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core Qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Specialisation Water and Traffic			
1	<b>Finite Elements Methods</b>		<b>Management of Surface Water</b>
2	Finite Element Methods VL 2		Modelling of Flow in Rivers and Estuaries VL 3
3	Finite Element Methods HÜ 2		Nature-Oriented Hydraulic Engineering / Integrated Flood Protection PBL 2
4			
5			
6			
7	<b>Sustainability and Risk Management</b>		<b>Wastewater Systems</b>
8	Environment and Sustainability VL 2		Advanced Wastewater Treatment VL 2
9	Safety, Reliability and Risk Assessment SE 2		Advanced Wastewater Treatment HÜ 1
10			Wastewater Systems - Collection, Treatment and Reuse VL 2
11			Wastewater Systems - Collection, Treatment and Reuse HÜ 1
12			
13	<b>Water Resources and -Supply</b>		<b>Transportation Modelling</b>
14	Chemistry of Drinking Water Treatment VL 2		Transportation Modelling PBL 4
15	Chemistry of Drinking Water Treatment HÜ 1		
16	Water Resource Management VL 2		<b>Membrane Technology</b>
17	Water Resource Management GÜ 1		Membrane Technology VL 2
18			Membrane Technology GÜ 1
19	<b>Integrated Transportation Planning</b>		<b>Practical Course in Water and Wastewater Technology</b>
20	Integrated Transportation Planning PBL 4		Practical Course in Water and Wastewater Technology I PR 2
21			Practical Course of Wastewater Technology II PR 3
22			
23			
24			
25	<b>Construction and Simulation of Sewerage Systems</b>		
26	Construction and renovation of urban sewer systems SE 3		
27	Simulation of sewerage systems SE 3		
28			
29			
30			
Business & Management (from catalogue) - 6LP			
Non-technical Courses for Master (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.

