

# Course of Study Civil Engineering (Study Cohort w20)

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

Sample course plan A Master Civil Engineering (BAUMS)

Specialisation Structural Engineering			
1	<b>Finite Elements Methods</b>		<b>Design of Prestressed Structures and Concrete Bridges</b>
2	Finite Element Methods VL 2		Design of Prestressed Structures and Concrete Bridges VL 3
3	Finite Element Methods HÜ 2		Design of Prestressed Structures and Concrete Bridges HÜ 2
4			
5			
6			
7	<b>Sustainability and Risk Management</b>		<b>Statics and Dynamics of Structures</b>
8	Environment and Sustainability VL 2		Fracture mechanics and fatigue in steel structures VL 1
9	Safety, Reliability and Risk Assessment SE 2		Fracture mechanics and fatigue in steel structures HÜ 1
10			Structural Dynamics VL 2
11			Structural Dynamics HÜ 2
12			
13	<b>Geotechnics III</b>		<b>Steel Construction Project</b>
14	Numerical Methods in Geotechnics VL 3		Steel Construction Project PS 4
15	Advanced Foundation Engineering VL 2		
16	Advanced Foundation Engineering HÜ 1		
17			
18			
19	<b>Concrete Structures</b>		<b>Marine Geotechnics</b>
20	Structural Concrete Members VL 2		Marine Geotechnics VL 1
21	Structural Concrete Members HÜ 2		Marine Geotechnics HÜ 2
22	Concrete Structures SE 1		Steel Structures in Foundation and Hydraulic Engineering VL 2
23			
24			
25	<b>Steel and Composite Structures</b>		
26	Steel Bridges VL 2		
27	Steel and Composite Structures VL 2		
28	Steel and Composite Structures HÜ 2		
29			
30			
31			
32			
33			
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.

