

Course of Study Civil Engineering (Study Cohort w24)

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	Sustainable Circular Economy		Design of Prestressed Structures and Concrete Bridges
2	Environment and Sustainability VL 2		Design of Prestressed Structures and Concrete Bridges VL 3
3	Circular Economy SE 2		Design of Prestressed Structures and Concrete Bridges HÜ 2
4			
5			
6			
7	Finite elements		Statics and Dynamics of Structures
8	Finite elements VL 3		Fracture mechanics and fatigue in steel structures VL 1
9	Finite elements HÜ 2		Fracture mechanics and fatigue in steel structures HÜ 1
10			Structural Dynamics VL 2
11			Structural Dynamics HÜ 2
12			Finite element modeling of structures
13	Geotechnics III		Finite element modeling of structures VL 2
14	Numerical Methods in Geotechnics VL 3		Finite element modeling of structures GÜ 2
15	Advanced Foundation Engineering VL 2		
16	Advanced Foundation Engineering HÜ 1		
17			
18			
19	Concrete Structures		Steel Construction Project
20	Structural Concrete Members VL 2		Steel Construction Project PS 4
21	Structural Concrete Members HÜ 2		
22	Concrete Structures SE 1		
23			
24			
25	Steel and Composite Structures		Thin-walled structures
26	Steel Bridges VL 2		Thin-walled structures VL 2
27	Steel and Composite Structures VL 2		Thin-walled structures HÜ 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.

