

Course of Study Civil Engineering (Study Cohort w21)

Sample course plan A Master Civil Engineering (BAUMS)

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

Specialisation Structural Engineering			
1	Finite Elements Methods		Design of Prestressed Structures and Concrete Bridges
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	Sustainability and Risk Management		Statics and Dynamics of Structures
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	Geotechnics III		Steel Construction Project
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	Concrete Structures		Marine Geotechnics
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	Steel and Composite Structures		
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.

