

Course of Study Civil Engineering (Study Cohort w24)

Sample course plan E 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 Computational Engineering			
1	Sustainable Circular Economy		Modelling of Hydraulic Engineering
2	Environment and Sustainability VL 2		Modelling of Flow in Rivers and Estuaries VL 3
3	Circular Economy SE 2		Modelling of Waves PBL 1
4			Hydraulic Models PBL 1
5			
6			
7	Finite elements		Thin-walled structures
8	Finite elements VL 3		Thin-walled structures VL 2
9	Finite elements HÜ 2		Thin-walled structures HÜ 2
10			
11			
12			
13	Geotechnics III		Digital Twinning in Civil Engineering
14	Numerical Methods in Geotechnics VL 3		Digital Twinning in Civil Engineering VL 2
15	Advanced Foundation Engineering VL 2		Digital Twinning in Civil Engineering SE 2
16	Advanced Foundation Engineering HÜ 1		
17			
18			
19	Construction Robotics		Soil Mechanics and -Dynamics
20	Construction Robotics PBL 6		Soil Mechanics - Selected Topics VL 2
21			Soil Dynamics VL 2
22			Experimental Researches in Geotechnics PR 2
23			
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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.

