## Course of Study Civil- and Environmental Engineering (Study Cohort w20)

Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Sample course plan V Bachelor Civil- and Environmental Engineering (BUBS) Interdisciplinary complement Specialisation Traffic and Mobility Principles of Building Materials and Building Physics Building Materials and Building Chemistry Steel Structures I Applications in Civil / Environmental Engineering Structural Design Reinforced Concrete Structures I Principles of Building Materials VL 2 Building Materials and Building Chemistry Basics of Structural Design 2 VL 2 Building Materials and Building Chemistry Basics in Structural Design HÜ 1 Reinforced Concrete Design I HŪ 2 Selection from a catalog 3 H0 1 Building Physics Basics in Structural Design PBL 2 Project Seminar Concrete I GÜ 1 Building Physics 5 Introduction to Railways Introduction to Railways 6 Introduction to Railways HÜ 1 Chemistry Construction Industry and Construction Management Sanitary Engineering I Hydraulic Engineering 8 Chemistry I+II HÜ 2 VL 2 HÜ 2 Wastewater Disposal HÜ 1 PBL 1 HÜ 1 GÜ 2 VI 2 VI 2 Construction Management Soil Machanice Drinking Water Supply Hydraulic Engineering PBL 1 Law of Building Contracts VI 1 Drinking Water Supply 10 Hydraulic Engineering 11 Geoinformation Science Introduction to Geoinformation Science 12 Mechanics II: Mechanics of Materials Hydromechanics and Hydrology Applications in Civil / Environmental Engineering 14 Planning Law and Environmental Law/ Sustainable Selection from a catalog GÜ 1 GÜ 2 PBL 1 Structural Analysis II **Urban Development** H0 1 VL 1 Linear Algebra L Mechanics II Hydrology Planning law and Environmental law PBL 1 Analysis I VL 2 Hydrology Sustainable Urban Development Analysis I GÜ 1 Analysis I HŪ 1 18 Transportation Planning and Traffic Engineering Transport Planning and Traffic Engineering PBI 4 19 Mobility Concepts Mobility Research and Transportation Projects PBL 3 20 Bachelor Thesis Linear Algebra II GÜ 1 Structural Analysis I Mobility in Megacities and Developing Countries SE 3 21 Mechanics I (Statics) HÜ 1 Linear Algebra II Mechanics I VI 2 Analysis II GÜ 2 Mechanics I Analysis II HÜ 1 23 ΗŪ Mechanics I GÜ 1 Analysis II 24 Foundations of Management 25 Introduction to Management VI 3 GÜ 2 Management Tutorial Analysis III GÜ 1 27 Water and Environment HÜ 1 Water in the Environment 28 Differential Equations 1 VL 2 Project on Water, Environment, Traffic GÜ 1 Differential Equations 1 29 Differential Equations 1 30 31 32

Non-technical Courses for Bachelors (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.