

Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w16)

Sample course plan B Bachelor General Engineering Science (German program, 7 semester) (AIWS(7))
Specialisation Civil Engineering

Legend:

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Form/hrs/Week	Semester 2	Form/hrs/Week	Semester 3	Form/hrs/Week	Semester 4	Form/hrs/Week	Semester 5	Form/hrs/Week	Semester 6	Form/hrs/Week	Semester 7	Form/hrs/Week			
1	Chemistry		Electrical Engineering II: Alternating Current Networks and Basic Devices		Technical Thermodynamics II		Building Materials and Building Chemistry		Computer Engineering		Foundations of Management		Advanced Internship GES				
2	Chemistry I	VL 2	Electrical Engineering II: Alternating Current Networks and Basic Devices UE 2	VL 2	Technical Thermodynamics II HÜ 1	HÜ 1	Building Materials and Building Chemistry UE 1	UE 1	Computer Engineering VL 3	VL 3	Introduction to Management HÜ 2	HÜ 2	Advanced Internship GES				
3	Chemistry II	VL 2															
4	Chemistry I	HÜ 1															
5	Chemistry II	HÜ 1															
6																	
7	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields		Fundamentals of Mechanical Engineering Design		Mathematics III		Reinforced Concrete I		Introduction to Control Systems		Structural Design						
8	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields UE 2	VL 3	Fundamentals of Mechanical Engineering Design HÜ 2	VL 2	Analysis III UE 1	HÜ 1	Reinforced Concrete Design I HÜ 2	SE 1	Introduction to Control Systems UE 2	VL 2	Basics of Structural Design HÜ 1	HÜ 1	Advanced Internship GES				
9																	
10																	
11																	
12																	
13	Mathematics I		Technical Thermodynamics I		Mechanics III (Hydrostatics, Kinematics, Kinetics I)		Geotechnics I		Steel Structures I		Hydraulic Engineering II						
14	Linear Algebra I	VL 2	Technical Thermodynamics I HÜ 1	VL 2		Soil Mechanics VL 2	VL 2	Steel Structures I VL 2	VL 2	Hydraulics VL 1	VL 1						
15	Linear Algebra I	UE 1	Technical Thermodynamics I UE 1	HÜ 1		Mechanics III VL 3	UE 2	Soil Mechanics HÜ 2	HÜ 2	Steel Structures I HÜ 2	HÜ 2	Hydraulics HÜ 1	HÜ 1	Advanced Internship GES			
16	Linear Algebra I	HÜ 1															
17	Analysis I	VL 2															
18	Analysis I	UE 1															
19	Analysis I	HÜ 1															
20			Mechanics II: Mechanics of Materials		Principles of Building Materials and Building Physics		Structural Analysis II		Hydraulic Engineering I		Applications in Civil and Environmental Engineering (part 2)		Bachelor Thesis				
21	Mechanics I (Statics)		Mechanics II UE 2	VL 2		Structural Analysis II HÜ 2	VL 2	Hydromechanics HÜ 1	VL 2	Hydrology VL 1	VL 1	Selection from a catalog					
22	Mechanics I	UE 2	Mechanics II HÜ 2	HÜ 2		Principles of Building Materials VL 2	HÜ 1	Structural Analysis II HÜ 2	HÜ 2	Hydromechanics HÜ 1	HÜ 1	Hydrology PBL 1			PBL 1	Advanced Internship GES	
23	Mechanics I	HÜ 1															
24																	
25																	
26			Mathematics II		Structural Analysis I				Concrete Structures II								
27			Linear Algebra II UE 1	VL 2		Building Physics HÜ 1	VL 2	Concrete Structures II VL 2	VL 2	Concrete Structures II HÜ 2	HÜ 2						
28	Programming in C		Linear Algebra II HÜ 1	UE 1		Structural Analysis I VL 2	HÜ 1	Project Concrete PS 1	PS 1	Concrete Structures II HÜ 2	HÜ 2	Project Concrete PS 1	PS 1	Advanced Internship GES			
28	Programming in C	VL 1	Analysis II VL 2	VL 2												Structural Analysis I VL 2	VL 2

	Programming in C	PR 1	Analysis II	HÜ 1	Structural Analysis I	HÜ 2		
29	Physics for Engineers (AIW)		Analysis II	UE 1				
30	Physics for Engineers	VL 2						
31	Physics for Engineers	UE 1						
32								
33								
Nontechnical Complementary 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.