

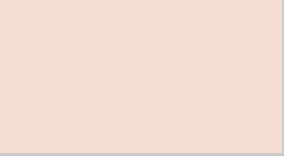
Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w18)

Sample course plan C Bachelor General Engineering Science (German program, 7 semester) (AIWBS(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	Semester 2	Form	Semester 3	Form	Semester 4	Form	Semester 5	Form	Semester 6	Form	Semester 7	Form					
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		Technical Thermodynamics II		VL 2		Building Materials and Building Chemistry		VL 4		Computer Engineering	VL 3	Introduction to Management	VL 3		
3		Chemistry II		VL 2		Technical Thermodynamics II		HÜ 1		Building Materials and Building Chemistry		UE 1		Computer Engineering	UE 1	Management Tutorial	HÜ 2		
4		Chemistry I		HÜ 1		Electrical Engineering II: Alternating Current Networks and Basic Devices		VL 3		Technical Thermodynamics II		HÜ 1		Building Materials and Building Chemistry	UE 1				
5		Chemistry II		HÜ 1		Electrical Engineering II: Alternating Current Networks and Basic Devices		UE 2		Technical Thermodynamics II		UE 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		VL 3		Fundamentals of Mechanical Engineering Design		VL 2		Analysis III		VL 2		Reinforced Concrete Design I	VL 2	Introduction to Control Systems	VL 2	Basics of Structural Design	VL 2
9		Electrical Engineering I: Direct Current Networks and Electromagnetic Fields		HÜ 1		Fundamentals of Mechanical Engineering Design		HÜ 2		Analysis III		HÜ 1		Reinforced Concrete Design I	HÜ 2	Introduction to Control Systems	UE 2	Exercises in Structural Design	HÜ 1
10		Electrical Engineering I: Direct Current Networks and Electromagnetic Fields		UE 2		Fundamentals of Mechanical Engineering Design		UE 1		Differential Equations I		VL 2		Project Seminar Concrete I	SE 1	Introduction to Control Systems	UE 2	Seminar in Structural Design	PBL2
11		Electrical Engineering I: Direct Current Networks and Electromagnetic Fields		HÜ 1		Fundamentals of Mechanical Engineering Design		HÜ 1		Differential Equations I		UE 1							
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		VL 2		Mechanics III		VL 3		Soil Mechanics	VL 2	Steel Structures I	VL 2	Hydraulics	VL 1
15		Linear Algebra I		UE 1		Technical Thermodynamics I		HÜ 1		Mechanics III		UE 2		Soil Mechanics	HÜ 2	Steel Structures I	HÜ 2	Hydraulics	HÜ 1
16		Linear Algebra I		HÜ 1		Technical Thermodynamics I		UE 1		Mechanics III		HÜ 1		Soil Mechanics	UE 2			Hydraulic Engineering	VL 2
17		Analysis I		VL 2		Technical Thermodynamics I		HÜ 1		Mechanics III		UE 1						Hydraulic Engineering	HÜ 1
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		VL 2		Principles of Building Materials and Building Physics		VL 2		Structural Analysis II		VL 2	Hydromechanics	VL 2	Selection from a catalog		
22	Mechanics I	VL 2		Mechanics II		UE 2		Principles of Building Materials		HÜ 1		Structural Analysis II		HÜ 2	Hydromechanics	HÜ 1			
23	Mechanics I	UE 2	Mechanics II	HÜ 2	Building Physics	VL 2			Hydrology	VL 1									
24	Mechanics I	HÜ 1			Building Physics	HÜ 1			Hydrology	PBL1									
25																			
26			Mathematics II						Geotechnics II										
27				Linear Algebra II		VL 2		Building Physics		UE 1		Foundation Engineering	VL 2	Foundation Engineering	HÜ 2				

28	Programming in C	Linear Algebra II	HÜ 1	Structural Analysis I	Foundation Engineering	UE 2	
	Programming in C	VL 1	Analysis II	VL 2	Structural Analysis I	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					Applications in Civil and Environmental Engineering (part 1)		
33					Selection from a catalog		
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.