

Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w21)

Legend:

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

Sample course plan A Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7))

Specialisation: Civil Engineering	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7
	FormHrs/wk	FormHrs/wk	FormHrs/wk	FormHrs/wk	FormHrs/wk	FormHrs/wk	FormHrs/wk
1	Chemistry	Electrical Engineering II: Alternating Current Networks and Basic Devices	Technical Thermodynamics II	Signals and Systems	Introduction to Control Systems	Foundations of Management	Advanced Internship AIW/ ES
2	Chemistry I+II VL 4	Electrical Engineering II: Alternating Current Networks and Basic Devices VL 3	Technical Thermodynamics II VL 2	Signals and Systems VL 3	Introduction to Control Systems VL 2	Introduction to Management VL 3	Advanced Internship AIW/ ES: SE 1
3	Chemistry I+II HÜ 2	Electrical Engineering II: Alternating Current Networks and Basic Devices GÜ 2	Technical Thermodynamics II HÜ 1	Signals and Systems GÜ 2	Introduction to Control Systems GÜ 2	Management Tutorial GÜ 2	Preparation
4		Electrical Engineering II: Alternating Current Networks and Basic Devices	Technical Thermodynamics II GÜ 1				Advanced Internship AIW/ ES: Internship- SE 1
5							accompanying Seminar
6							
7	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	Fundamentals of Mechanical Engineering Design	Mathematics III	Building Materials and Building Chemistry	Structural Design	Geoinformation Science	
8	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields VL 3	Fundamentals of Mechanical Engineering Design VL 2	Analysis III VL 2	Building Materials and Building Chemistry VL 4	Basics of Structural Design VL 2	Introduction to Geoinformation Science PBL 3	
9	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields GÜ 2	Fundamentals of Mechanical Engineering Design HÜ 2	Analysis III GÜ 1	Building Materials and Building Chemistry GÜ 1	Basics in Structural Design HÜ 1		
10			Analysis III HÜ 1		Basics in Structural Design PBL 2		
11			Differential Equations 1 VL 2			Structural Mechanics	
12			Differential Equations 1 GÜ 1			Structural Mechanics IV 2	
13			Differential Equations 1 HÜ 1				
13	Mathematics I	Technical Thermodynamics I		Reinforced Concrete Structures I	Steel Structures I	Steel Structures II	
14	Linear Algebra I VL 2	Technical Thermodynamics I VL 2		Reinforced Concrete Design I VL 2	Steel Structures I VL 2	Steel Structures II VL 2	
15	Linear Algebra I GÜ 1	Technical Thermodynamics I HÜ 1	Mechanics III (Dynamics)	Reinforced Concrete Design I HÜ 2	Steel Structures I HÜ 2	Steel Structures II HÜ 2	
16	Linear Algebra I HÜ 1	Technical Thermodynamics I GÜ 1	Mechanics III VL 3	Project Seminar Concrete I SE 1			
17	Analysis I VL 2		Mechanics III GÜ 2				
18	Analysis I GÜ 1		Mechanics III HÜ 1				
19	Analysis I HÜ 1						
20		Mechanics II: Mechanics of Materials		Structural Analysis II	Geotechnics I	Geotechnics II	Bachelor Thesis
21		Mechanics II VL 2		Structural Analysis II VL 2	Soil Mechanics VL 2	Foundation Engineering VL 2	
22	Mechanics I (Statics)	Mechanics II GÜ 2	Principles of Building Materials and Building Physics	Structural Analysis II HÜ 2	Soil Mechanics HÜ 2	Foundation Engineering HÜ 2	
23	Mechanics I VL 2	Mechanics II HÜ 2	Principles of Building Materials VL 2		Soil Mechanics GÜ 2	Foundation Engineering GÜ 2	
24	Mechanics I GÜ 2		Building Physics VL 2				
25	Mechanics I HÜ 1		Building Physics HÜ 1				
26		Mathematics II	Building Physics GÜ 1		Hydromechanics and Hydrology		
27		Linear Algebra II VL 2			Hydromechanics VL 2		
28	Computer Science for Engineers - Introduction and Overview	Linear Algebra II GÜ 1	Structural Analysis I		Hydromechanics PBL 1		
29	Computer Science for Engineers - Introduction and Overview VL 3	Linear Algebra II HÜ 1	Structural Analysis I VL 2		Hydrology VL 1		
30	Computer Science for Engineers - Introduction and Overview GÜ 2	Analysis II VL 2	Structural Analysis I HÜ 2		Hydrology PBL 1		
31		Analysis II HÜ 1					
32		Analysis II GÜ 1					

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.

