

Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w22)

Sample course plan B Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7)) Dual study program

Legend:

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

Specialisation Electrical Engineering							
1	Chemistry		Electrical Engineering II: Alternating Current Networks and Basic Devices	Technical Thermodynamics II		Signals and Systems	
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	
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	
4				Technical Thermodynamics II GÜ 1			
5							
6							
7	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields		Fundamentals of Mechanical Engineering Design	Mathematics III		Practical module 4 (dual study program, Bachelor's degree)	
8	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields VL 3		Fundamentals of Mechanical Engineering Design VL 2	Analysis III VL 2		Practical term 4 0	
9	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields GÜ 2		Fundamentals of Mechanical Engineering Design HÜ 2	Analysis III GÜ 1			
10				Analysis III HÜ 1			
11				Differential Equations 1 VL 2			
12				Differential Equations 1 GÜ 1			
13				Differential Equations 1 HÜ 1			
14	Mathematics I		Technical Thermodynamics I			Theoretical Electrical Engineering I: Time-Independent Fields	
15	Mathematics I VL 4		Technical Thermodynamics I VL 2			Theoretical Electrical Engineering I: Time-Independent Fields VL 3	
16	Mathematics I HÜ 2		Technical Thermodynamics I HÜ 1			Theoretical Electrical Engineering I: Time-Independent Fields GÜ 2	
17	Mathematics I GÜ 2		Technical Thermodynamics I GÜ 1			Theoretical Electrical Engineering I: Time-Independent Fields	
18							
19							
20			Mathematics II			Materials in Electrical Engineering	
21	Computer Science for Engineers - Introduction and Overview		Mathematics II VL 4			Materials in Electrical Engineering VL 2	
22	Computer Science for Engineers - Introduction and Overview VL 3		Mathematics II HÜ 2			Materials in Electrical Engineering GÜ 2	
23	Computer Science for Engineers - Introduction and Overview GÜ 2		Mathematics II GÜ 2			Electrotechnical Experiments VL 2	
24							
25							
26							
27	Practical module 1 (dual study program, Bachelor's degree)		Practical module 2 (dual study program, Bachelor's degree)	Engineering Mechanics III (Dynamics)		Mathematics IV	
28	Practical term 1 0		Practical term 2 0	Engineering Mechanics III VL 3		Complex Functions VL 2	
29				Engineering Mechanics III GÜ 2		Complex Functions GÜ 1	
30				Engineering Mechanics III HÜ 1		Complex Functions HÜ 1	
31						Differential Equations 2 VL 2	
32						Differential Equations 2 GÜ 1	
33	Engineering Mechanics I (Stereostatics)		Engineering Mechanics II (Elastostatics)			Differential Equations 2 HÜ 1	
34	Engineering Mechanics I VL 2		Engineering Mechanics II VL 2				
35	Engineering Mechanics I GÜ 2		Engineering Mechanics II GÜ 2				
36	Engineering Mechanics I HÜ 1		Engineering Mechanics II HÜ 2				
37							
38							

Linking theory and practice (dual study program, Bachelor's degree) (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.

