

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 B Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7))

Specialisation	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	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	
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-accompanying Seminar SE 1				
5												
6												
7	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields		Fundamentals of Mechanical Engineering Design		Mathematics III		Fundamentals of Fluid Mechanics		Heat and Mass Transfer		Process and Plant Engineering I	
8	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields VL 3		Fundamentals of Mechanical Engineering Design VL 2	Analysis III VL 2	Fundamentals of Fluid Mechanics VL 2	Heat and Mass Transfer VL 2	Process and Plant Engineering I VL 2					
9	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields GÜ 2		Fundamentals of Mechanical Engineering Design HÜ 2	Analysis III GÜ 1	Fluid Mechanics for Process Engineering HÜ 2	Heat and Mass Transfer GÜ 1	Process and Plant Engineering I HÜ 1					
10				Analysis III HÜ 1		Heat and Mass Transfer HÜ 1	Process and Plant Engineering I GÜ 1					
11				Differential Equations 1 VL 2								
12				Differential Equations 1 GÜ 1								
13				Differential Equations 1 HÜ 1								
13	Mathematics I		Technical Thermodynamics I		Phase Equilibria Thermodynamics		Thermal Separation Processes		Particle Technology and Solids Process Engineering			
14	Linear Algebra I VL 2		Technical Thermodynamics I VL 2	Mechanics III VL 3	Phase Equilibria Thermodynamics VL 2	Thermal Separation Processes VL 2	Particle Technology I VL 2					
15	Linear Algebra I GÜ 1		Technical Thermodynamics I HÜ 1	Mechanics III GÜ 2	Phase Equilibria Thermodynamics GÜ 1	Thermal Separation Processes GÜ 2	Particle Technology I GÜ 1					
16	Linear Algebra I HÜ 1		Technical Thermodynamics I GÜ 1	Mechanics III HÜ 1	Phase Equilibria Thermodynamics HÜ 1	Thermal Separation Processes HÜ 1	Particle Technology I PR 2					
17	Analysis I VL 2						Separation Processes PR 1					
18	Analysis I GÜ 1											
19	Analysis I HÜ 1											
20			Mechanics II: Mechanics of Materials		Biochemistry and Microbiology		Chemical Reaction Engineering (part 1)		Chemical Reaction Engineering (part 2)		Bachelor Thesis	
21			Mechanics II VL 2		Biochemistry VL 2	Chemical Reaction Engineering VL 2	Experimental Course Chemical Engineering PR 2					
22			Mechanics II GÜ 2		Biochemistry PBL 1	Chemical Reaction Engineering HÜ 2						
23			Mechanics II HÜ 2		Microbiology VL 2							
24					Microbiology PBL 1							
25												
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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.

