

Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w19)

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

Specialisation Mechanical Engineering, Focus Theoretical Mechanical Engineering

1	Chemistry	VL 2	Electrical Engineering II: Alternating Current Networks and Basic Devices	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																																												
2	Chemistry I	VL 2													Electrical Engineering II: Alternating Current Networks and Basic Devices	VL 3	Technical Thermodynamics II	HÜ 1	Signals and Systems	GÜ 2	Introduction to Control Systems	GÜ 2	Management Tutorial	GÜ 2	Advanced Internship AIW/ ES: Preparation																																	
3	Chemistry I	HÜ 1																								Electrical Engineering II: Alternating Current Networks and Basic Devices	GÜ 2	Technical Thermodynamics II	GÜ 1	Signals and Systems	GÜ 2	Introduction to Control Systems	GÜ 2	Management Tutorial	GÜ 2	Advanced Internship AIW/ ES: Internship-accompanying Seminar																						
4	Chemistry II	HÜ 1																																			Electrical Engineering II: Alternating Current Networks and Basic Devices	GÜ 2	Technical Thermodynamics II	GÜ 1	Signals and Systems	GÜ 2	Introduction to Control Systems	GÜ 2	Management Tutorial	GÜ 2	Advanced Internship AIW/ ES: Internship-accompanying Seminar											
5																																																Electrical Engineering II: Alternating Current Networks and Basic Devices	GÜ 2	Technical Thermodynamics II	GÜ 1	Signals and Systems	GÜ 2	Introduction to Control Systems	GÜ 2	Management Tutorial	GÜ 2	Advanced Internship AIW/ ES: Internship-accompanying Seminar
6																																																										
7	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	VL 3	Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics	VL 3	Computer Engineering	VL 3	Modeling, Simulation and Optimization (EN)	IV 4																																														
8	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	VL 3												Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics	VL 3	Computer Engineering	VL 3	Modeling, Simulation and Optimization (EN)	IV 4																																			
9	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	VL 3																							Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics	VL 3	Computer Engineering	VL 3	Modeling, Simulation and Optimization (EN)	IV 4																								
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11	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	VL 3																																													Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics	VL 3	Computer Engineering	VL 3	Modeling, Simulation and Optimization (EN)	IV 4		
12	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	VL 3																																																								Fundamentals of Mechanical Engineering Design
13	Mathematics I	VL 2	Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics	VL 3	Computer Engineering	VL 3	Modeling, Simulation and Optimization (EN)	IV 4																																														
14	Linear Algebra I	VL 2												Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics	VL 3	Computer Engineering	VL 3	Modeling, Simulation and Optimization (EN)	IV 4																																			
15	Linear Algebra I	GÜ 1																							Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics	VL 3	Computer Engineering	VL 3	Modeling, Simulation and Optimization (EN)	IV 4																								
16	Linear Algebra I	HÜ 1																																		Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics	VL 3	Computer Engineering	VL 3	Modeling, Simulation and Optimization (EN)	IV 4													
17	Analysis I	VL 2																																													Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics	VL 3	Computer Engineering	VL 3	Modeling, Simulation and Optimization (EN)	IV 4		
18	Analysis I	GÜ 1																																																								Fundamentals of Mechanical Engineering Design
19	Analysis I	HÜ 1	Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics	VL 3	Computer Engineering	VL 3	Modeling, Simulation and Optimization (EN)	IV 4																																														
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81	Mathematics I	VL 2																							Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics	VL 3	Computer Engineering	VL 3	Modeling, Simulation and Optimization (EN)	IV 4																								
82	Linear Algebra I	GÜ 1																																		Fundamentals of Mechanical Engineering Design	VL 2	Mathematics III	VL 2	Fluid Dynamics																		

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.

