

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

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

Specialisation Mechanical Engineering, Focus Theoretical Mechanical Engineering

1	Chemistry			Electrical Engineering II: Alternating Current		Technical Thermodynamics II		Signals and Systems		Introduction to Control Systems		Foundations of Management		Advanced Internship AIW/ ES	
2	Chemistry I+II	VL 4		Networks and Basic Devices		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	VL 3	Technical Thermodynamics II	HÜ 1	Signals and Systems	GÜ 2	Introduction to Control Systems	GÜ 2	Management Tutorial	GÜ 2	Preparation	
4				Current Networks and Basic Devices		Technical Thermodynamics II	GÜ 1							Advanced Intership AIW/ ES: Internship-	SE 1
5				Electrical Engineering II: Alternating	GÜ 2									accompanying Seminar	
6				Current Networks and Basic Devices											
7	Electrical Engineering I: Direct Current			Fundamentals of Mechanical Engineering		Mathematics III		Fluid Dynamics		Measurement Technology for Mechanical		Modeling, Simulation and Optimization (EN)			
8	Networks and Electromagnetic Fields			Design		Analysis III	VL 2	Fluid Mechanics	VL 3	Engineers		Modeling, Simulation and Optimization	IV 4		
9	Electrical Engineering I: Direct Current	VL 3		Fundamentals of Mechanical Engineering	VL 2	Analysis III	GÜ 1	Fluid Mechanics	HÜ 2	Measurement Technology for Mechanical	VL 2				
10	Networks and Electromagnetic Fields			Design		Analysis III	HÜ 1			Engineering					
11	Electrical Engineering I: Direct Current	GÜ 2		Fundamentals of Mechanical Engineering	HÜ 2	Differential Equations 1	VL 2			Measurement Technology for Mechanical	PR 2				
12	Networks and Electromagnetic Fields			Design		Differential Equations 1	GÜ 1			Engineering					
13						Differential Equations 1	HÜ 1			Practical Course: Measurement and	PR 2				
14										Control Systems					
15	Mathematics I			Technical Thermodynamics I	VL 2			Computational Mechanics		Numerical Mathematics I		Production Engineering			
16	Linear Algebra I	VL 2		Technical Thermodynamics I	HÜ 1			Computational Multibody Dynamics	IV 2	Numerical Mathematics I	VL 2	Production Engineering I	VL 2		
17	Linear Algebra I	GÜ 1		Technical Thermodynamics I	HÜ 1			Computational Mechanics	GÜ 2	Numerical Mathematics I	GÜ 2	Production Engineering II	VL 2		
18	Linear Algebra I	HÜ 1		Technical Thermodynamics I	GÜ 1	Engineering Mechanics III (Dynamics)		Computational Stuctural Mechanics	IV 2			Production Engineering II	HÜ 1		
19	Analysis I	VL 2				Engineering Mechanics III	VL 3					Production Engineering I	HÜ 1		
20	Analysis I	GÜ 1				Engineering Mechanics III	GÜ 2								
21	Analysis I	HÜ 1				Engineering Mechanics III	HÜ 1								
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Non-technical Courses for Bachelors (from catalogue) - 6LP															

