

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

Specialisation	Semester 2		Semester 3		Semester 4		Semester 5		Semester 6		Semester 7	
Biomedical Engineering	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		Technical Thermodynamics II	VL 2	Signals and Systems	VL 3	Introduction to Control Systems	VL 2	Introduction to Management	VL 3
3	Chemistry I+II	HÜ 2	Electrical Engineering II: Alternating Current Networks and Basic Devices		Technical Thermodynamics II	HÜ 1	Signals and Systems	GÜ 2	Introduction to Control Systems	GÜ 2	Management Tutorial	GÜ 2
4			Electrical Engineering II: Alternating Current Networks and Basic Devices		Technical Thermodynamics II	GÜ 1						
5												
6												
7	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields		Fundamentals of Mechanical Engineering Design		Mathematics III		Fluid Dynamics		Numerical Mathematics I		Introduction into Medical Technology and Systems	
8	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields		Fundamentals of Mechanical Engineering Design		Analysis III		Fluid Mechanics		Numerical Mathematics I		Introduction into Medical Technology and Systems	
9	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields		Fundamentals of Mechanical Engineering Design		Analysis III		Fluid Mechanics		Numerical Mathematics I		Introduction into Medical Technology and Systems	
10	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields		Fundamentals of Mechanical Engineering Design		Differential Equations 1						Introduction into Medical Technology and Systems	
11					Differential Equations 1						Introduction into Medical Technology and Systems	
12					Differential Equations 1						Introduction into Medical Technology and Systems	
13	Mathematics I		Technical Thermodynamics I				Mechanics IV (Oscillations, Analytical Mechanics, Multibody Systems, Numerical Mechanics)		Heat Transfer		MED II: Introduction to Physiology	
14	Linear Algebra I		Technical Thermodynamics I		Mechanics III		Mechanics IV		Heat Transfer		Introduction to Physiology	
15	Linear Algebra I		Technical Thermodynamics I		Mechanics III		Mechanics IV		Heat Transfer			
16	Linear Algebra I		Technical Thermodynamics I		Mechanics III		Mechanics IV					
17	Analysis I				Mechanics III		Mechanics IV					
18	Analysis I				Mechanics III		Mechanics IV					
19												
20			Mechanics II: Mechanics of Materials				MED I: Introduction to Anatomy		Measurement Technology for Mechanical Engineers		Computer Science for Engineers - Programming Concepts, Data Handling & Communication	
21			Mechanics II				Introduction to Anatomy		Measurement Technology for Mechanical Engineers		Computer Science for Engineers - Programming Concepts, Data Handling & Communication	
22			Mechanics II						Measurement Technology for Mechanical Engineers		Computer Science for Engineers - Programming Concepts, Data Handling & Communication	
23			Mechanics II						Measurement Technology for Mechanical Engineers		Computer Science for Engineers - Programming Concepts, Data Handling & Communication	
24									Measurement Technology for Mechanical Engineers		Computer Science for Engineers - Programming Concepts, Data Handling & Communication	
25									Measurement Technology for Mechanical Engineers		Computer Science for Engineers - Programming Concepts, Data Handling & Communication	
26									Measurement Technology for Mechanical Engineers		Computer Science for Engineers - Programming Concepts, Data Handling & Communication	
27									Measurement Technology for Mechanical Engineers		Computer Science for Engineers - Programming Concepts, Data Handling & Communication	
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29									Measurement Technology for Mechanical Engineers		Computer Science for Engineers - Programming Concepts, Data Handling & Communication	
30									Measurement Technology for Mechanical Engineers		Computer Science for Engineers - Programming Concepts, Data Handling & Communication	
31									Measurement Technology for Mechanical Engineers		Computer Science for Engineers - Programming Concepts, Data Handling & Communication	
32									Measurement Technology for Mechanical Engineers		Computer Science for Engineers - Programming Concepts, Data Handling & Communication	
	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.

