

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

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

Specialisation Mechanical Engineering, Focus Aircraft Systems 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	Signals and Systems	Introduction to Control Systems	Introduction to Management	Advanced Internship AIW/ ES: SE 1
3	Chemistry I+II	HÜ 2	Electrical Engineering II: Alternating	Technical Thermodynamics II	Signals and Systems	Introduction to Control Systems	Management Tutorial	Preparation
4			Current Networks and Basic Devices					Advanced Intership AIW/ ES: Internship- SE 1
5			Electrical Engineering II: Alternating					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	Digital Product Development and Lightweight	
8	Networks and Electromagnetic Fields		Design	Analysis III	Fluid Mechanics	Engineers	Design	
9	Electrical Engineering I: Direct Current	VL 3	Fundamentals of Mechanical Engineering	Analysis III	Fluid Mechanics	Measurement Technology for Mechanical	Digital Product Development	VL 2
10	Networks and Electromagnetic Fields		Design	Analysis III		Engineering	Development of Lightweight Design	VL 2
11	Electrical Engineering I: Direct Current	GÜ 2	Fundamentals of Mechanical Engineering	Differential Equations 1		Measurement Technology for Mechanical	Products	
12	Networks and Electromagnetic Fields		Design	Differential Equations 1		Engineering	CAE-Team Project	PBL 2
13				Differential Equations 1		Practical Course: Measurement and		
14	Mathematics I		Technical Thermodynamics I		Computational Mechanics	Advanced Mechanical Design Project	Aeronautical Systems	
15	Linear Algebra I	VL 2	Technical Thermodynamics I		Computational Multibody Dynamics	Advanced Mechanical Design Project	Air Transportation Systems	VL 2
16	Linear Algebra I	GÜ 1	Technical Thermodynamics I		Computational Mechanics		Fundamentals of Aircraft Systems	VL 2
17	Linear Algebra I	HÜ 1	Technical Thermodynamics I		Computational Stuctural Mechanics		Fundamentals of Aircraft Systems	GÜ 1
18	Analysis I	VL 2		Engineering Mechanics III (Dynamics)			Air Transportation Systems	HÜ 1
19	Analysis I			Engineering Mechanics III				
20	Analysis I	GÜ 1		Engineering Mechanics III				
21	Analysis I	HÜ 1						
22								
23								
24								
25								
26								
27	Computer Science for Engineers -							
28	Introduction and Overview							
29	Computer Science for Engineers -	VL 3						
30	Introduction and Overview							
31	Computer Science for Engineers -	GÜ 2						
32	Introduction and Overview							
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.

