Course of Study General Engineering Science (English program) (Study Cohort w14)

Sample course plan C Bachelor General Engineering Science (English program) (GESBS) Specialisation Mechanical Engineering, Focus Theoretical Mechanical Engineering

LP	Semester 1	FormHrs/wk	Semester 2	FormHrs/wl	Semester 3	FormHrs/wl	Semester 4	FormHrs/wk	Semester 5	FormHrs/wl	k Semester 6	FormHrs/wk
1	Chemistry (GES)		Physics for Engineers (GES) (part 2)		Technical Thermodynamics II		Mechanical Engineering: Design (pa	rt 2)	Introduction to Control Systems		Foundations of Management	
2	Chemistry I	VL 2	Physics-Lab for ET/IIW-Engineers	PR 1	Technical Thermodynamics II	VL 2	Team Project Design Methodology	POL 2	Introduction to Control Systems	VL 2	Introduction to Management	VL 4
3	Chemistry II	VL 2	Fundamentals of Mechanical Engineer	ring	Technical Thermodynamics II	HÜ 1	Mechanical Design Project II	TT 3	Introduction to Control Systems	UE 2	Project Entrepreneurship	POL 2
	Chemistry I	HÜ 1	Design Design	ring	Technical Thermodynamics II	UE 1						
4	Chemistry II	HÜ 1	Fundamentals of Mechanical	VL 2			Fundamentals of Materials Science	. ,				
5			Engineering Design				Fundamentals of Materials Science	II VL 2				
6			Fundamentals of Mechanical	HÜ 2			Advanced Mechanical Engineering	Design				
7	Linear Algebra		Engineering Design		Computer Engineering		(part 2)		Measurement Technology for Mech	nanical and	Mathematics IV	
8	Linear Algebra	VL 4			Computer Engineering	VL 3	Advanced Mechanical Engineering	VL 2	Process Engineers		Complex Functions	VL 2
8	Linear Algebra	HÜ 2			Computer Engineering	UE 1	Design II		Measurement Technology for	VL 2	Complex Functions	UE 1
	Linear Algebra	UE 2					Advanced Mechanical Engineering Design II	HÜ 2	Mechanical and Process Engineers	;	Complex Functions	HÜ 1
9			Technical Thermodynamics I				Signals and Systems		Measurement Technology for	HÜ 1	Differential Equations 2	VL 2
-			Technical Thermodynamics I	VL 2			Signals and Systems	VL 3	Mechanical and Process Engineers Practical Course: Measurement and		Differential Equations 2	UE 1
10			Technical Thermodynamics I	VL Z HÜ 1			Signals and Systems	VL 3 HÜ 1	Control Systems	1 PR 2	Differential Equations 2	HÜ 1
11			Technical Thermodynamics I	UE 1			orginals and bystems	110 1	Control Cystems			
12												
13					Mathematics III				Simulation of Dynamic Systems an	d	Bachelor Thesis	
					Analysis III	VL 2			Reliability			
14					Analysis III	UE 1			Simulation of Dynamic Systems	VL 2		
15	Electrical Engineering I		Mathematical Analysis		Analysis III	HÜ 1	Fluid Dynamics		Reliability of Dynamic Systems	VL 2		
16	Electrical Engineering I	VL 3	Mathematical Analysis	VL 4	Differential Equations 1	VL 2	Fluid Mechanics	VL 3	Simulation of Dynamic Systems	UE 1		
17	Electrical Engineering I	UE 2	Mathematical Analysis	HÜ 2	Differential Equations 1	UE 1	Fluid Mechanics	HÜ 1	Reliability of Dynamic Systems	UE 1		
18			Mathematical Analysis	UE 2	Differential Equations 1	HÜ 1						
19									Advanced Mechanical Design Proj			
20									Advanced Mechanical Design Proje	ect II 4		
21	Mechanics I (GES)				Mechanics III (GES)		Mechanics IV (Kinetics II, Oscillation	ns,				
22	Mechanics I	VL 2			Mechanics III	HÜ 1	Analytical Mechanics, Multibody Sy					
23	Mechanics I	HÜ 3	Electrical Engineering II		Mechanics III	UE 2	Mechanics IV	VL 3				
			Electrical Engineering II	VL 3	Mechanics III	VL 3	Mechanics IV Mechanics IV	UE 2 HÜ 1				
24			Electrical Engineering II	UE 2			Mechanics IV	HU I				
25									Heat Transfer			
26									Heat Transfer	VL 3		
27	Physics for Engineers (GES) (part 1))			Mechanical Engineering: Design (pa	art 1)	Advanced Materials		Heat Transfer	HÜ 1		
28	Physics for Engineers	VL 2			Embodiment Design and 3D-CAD	VL 2	Advanced Materials Characterization	ı VL 2				
_	Physics for Engineers	UE 1			Mechanical Design Project I	TT 3	Advanced Materials Design	VL 2				
29			Mechanics II (GES)				Advanced Materials Design	HÜ 2				
30			Mechanics II	VL 2 HÜ 2	Fundamentals of Materials Science	<u>" / </u>						
31			Mechanics II	nu 2	Fundamentals of Materials Science							
32					Physical and Chemical Basics of	VL 2						
_					Materials Science							
33												

34	Programming in C		Advanced Mechanical Engineering Design (part 1)				
35	-9	VL 1 PR 1	Advanced Mechanical Engineering VL 2 Design I Advanced Mechanical Engineering HÜ 2				
			Design I				

Nontechnical Complementary 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.