Course of Study General Engineering Science (English program) (Study Cohort w15)

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 FormHr	/wk Semester 3	FormHrs/w	Semester 4	FormHrs/wl	Semester 5	FormHrs/wl	Semester 6	FormHrs/wk
1	Chemistry (GES) Physics		Physics for Engineers (GES) (part 2)	Technical Thermodynamics II		Mechanical Engineering: Design (part 2)		Introduction to Control Systems		Foundations of Management	
2	Chemistry I	VL 2	Physics-Lab for ET/ AIW/ GES PR	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 Engineering	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	Technical Thermodynamics II	UE 1						
4	Chemistry II	HÜ 1	Fundamentals of Mechanical VL 2	-		Fundamentals of Materials Science	<u> </u>				
5			Engineering Design			Fundamentals of Materials Science I	II VL 2				
6			Fundamentals of Mechanical HÜ 2			Advanced Mechanical Engineering I	Design				
7	Linear Algebra		Engineering Design	Computer Engineering		(part 2)		Measurement Technology for Mech	nical and	Mathematics IV	
	Linear Algebra	VL 4		Computer Engineering	VL 3	Advanced Mechanical Engineering	VL 2	Process Engineers	illiour und	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	HÜ 2	Mechanical and Process Engineers		Complex Functions	HÜ 1
_						Design II		Measurement Technology for	HÜ 1	Differential Equations 2	VL 2
9			Technical Thermodynamics I	_		Signals and Systems		Mechanical and Process Engineers		Differential Equations 2	UE 1
10			Technical Thermodynamics I VL 2 Technical Thermodynamics I HÜ 1			Signals and Systems	VL 3 HÜ 1	Practical Course: Measurement and	PR 2	Differential Equations 2	HÜ 1
11			Technical Thermodynamics I HÜ 1 Technical Thermodynamics I UE 1			Signals and Systems	HU I	Control Systems			
12			reclinical memodynamics i OL								
				Manhaman III				Circulation of Demonic Contains		Parketer Thereis	
13				Mathematics III	VL 2			Simulation of Dynamic Systems and Reliability		Bachelor Thesis	
14				Analysis III Analysis III	VL 2 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		
_	Electrical Engineering I	UE 2	Mathematical Analysis HÜ 2	Differential Equations 1	UE 1	Fluid Mechanics	HÜ 1	Reliability of Dynamic Systems	UE 1		
17			Mathematical Analysis UE 2	Differential Equations 1	HÜ 1						
18											
19								Advanced Mechanical Design Proje	ct		
20								Advanced Mechanical Design Proje	et TT 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 Sys	stems)				
	Mechanics I	НÜ 3		Mechanics III	UE 2	Mechanics IV	VL 3				
23			Electrical Engineering II	Mechanics III	VL 3	Mechanics IV	UE 2				
24			Electrical Engineering II VL 3 Electrical Engineering II UE 2			Mechanics IV	HÜ 1				
25			Electrical Engineering II OE 2					Heat Transfer			
26								Heat Transfer	VL 3		
27	Physics for Engineers (GES) (part 1)			Mechanical Engineering: Design (g	nort 1\	Advanced Materials		Heat Transfer	HÜ 1		
	Physics for Engineers (GES) (part 1) Physics for Engineers	VL 2		Embodiment Design and 3D-CAD	VL 2	Advanced Materials Characterization	n VL 2				
28	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	Fundamentals of Materials Science	e (part 1)						
31			Mechanics II HÜ 2	Fundamentals of Materials Science	el VL 2					l.	
				Physical and Chemical Basics of	VL 2						
32				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.