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

Sample course plan B Bachelor General Engineering Science (English program) (GESBS) Specialisation Mechanical Engineering, Focus Product Development and Production Legend:

Core qualification Compulsory

Focus Compulsory

Thesis Compulsory

Specialisation Compulsory

Speci	alisation Mechanical Engine	ering, Focus Product Deve	elopme	nt and Production		Core qualification Elective Compulsory		cialisation Elective	Focus Elective Con	Interdisciplinary comp	plement
LP	Semester 1 FormHrs	wk Semester 2	FormHrs/wk	Semester 3	FormHrs/wk	Semester 4 F	ormHrs/wł	Semester 5	FormHrs/wk	Semester 6	FormHrs/wk
1	Chemistry (GES)	Physics for Engineers (GES) (part 2)		Technical Thermodynamics II		Mechanical Engineering: Design (part 2	2)	Introduction to Control Syste	ms	Foundations of Management	
2 3 4 5	Chemistry I VL 2   Chemistry II VL 2   Chemistry I HŪ 1   Chemistry II HŪ 1	Fundamentals of Mechanical Engineer Design Fundamentals of Mechanical Engineering Design	PR 1 ering VL 2 HÜ 2	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1 UE 1	Mechanical Design Project II Fundamentals of Materials Science (pa Fundamentals of Materials Science II	VL 2	Introduction to Control System		Introduction to Management Project Entrepreneurship	VL 4 POL 2
6 7	Linner Alexbra	Engineering Design		Computer Engineering		Advanced Mechanical Engineering Des (part 2)	sign	Maaauwamant Taabualawy fa	• Machanical and	Interweted Directust Deviationment on	- 4
8	Linear Algebra VL 4 Linear Algebra HÜ 2	-		Computer Engineering	VL 3 UE 1	Advanced Mechanical Engineering Design II	VL 2	Measurement Technology for Process Engineers Measurement Technology for		Integrated Product Development an Lightweight Design Integrated Product Development I	VL 2
	Linear Algebra HÜ 2 Linear Algebra UE 2			Computer Engineering	UEI	Advanced Mechanical Engineering	HÜ 2	Mechanical and Process Eng	gineers	Development of Lightweight Design	
9		Technical Thermodynamics I				Signals and Systems		Measurement Technology for Mechanical and Process Eng		Products CAE-Team Project	POL 2
10		Technical Thermodynamics I	VL 2			Signals and Systems	VL 3	Practical Course: Measureme		one reality toject	I OL L
11			HÜ 1 UE 1			Signals and Systems	HÜ 1	Control Systems			
12											
13				Mathematics III				Advanced Mechanical Desig		Bachelor Thesis	
14				Analysis III	VL 2			Advanced Mechanical Desig	n Project TT 4		
15	Electrical Engineering I	Mathematical Analysis		Analysis III Analysis III	UE 1 HÜ 1	Fluid Dynamics					
16	Electrical Engineering I VL 3		VL 4	Differential Equations 1	VL 2		VL 3				
17	Electrical Engineering I UE 2		HÜ 2	Differential Equations 1	UE 1	Fluid Mechanics	HÜ 1				
18		Mathematical Analysis	UE 2	Differential Equations 1	HÜ 1						
19								Production Technology			
20								Forming and Cutting Technol			
21	Mechanics I (GES)			Mechanics III (GES)		Mechanics IV (Kinetics II, Oscillations,		Forming and Cutting Technol Fundamentals of Machine To			
22	Mechanics I VL 2	-		Mechanics III	HÜ 1	Analytical Mechanics, Multibody Syste		rundamentais of machine ro	013 VL 3		
23	Mechanics I HÜ 3	Electrical Engineering II		Mechanics III	UE 2		VL 3				
23			VL 3	Mechanics III	VL 3		UE 2 HÜ 1				
		Electrical Engineering II	UE 2								
25								Material Science Laboratory Companion Lecture for Mater			
26								Science Laboratory	10.0 ¥E Z		
27	Physics for Engineers (GES) (part 1)	-		Mechanical Engineering: Design (pa		Fundamentals of Production and Qualit Management	у	Material Science Laboratory	PR 4		
28	Physics for Engineers VL 2 Physics for Engineers UE 1			Embodiment Design and 3D-CAD Mechanical Design Project I	VL 2 TT 3		VL 2				
29	UL T	Mechanics II (GES)		and a booght fojoort		0	VL 2				
30			VL 2	Fundamentals of Materials Science	(part 1)						
31		Mechanics II	HÜ 2	Fundamentals of Materials Science						L	
32				Physical and Chemical Basics of	VL 2						
33				Materials Science							

34				Advanced Mechanical Engineering Design
35		Programming in C		(part 1) Advanced Mechanical Engineering VL 2 Design I Advanced Mechanical Engineering HÜ 2
36	1	Programming in C	VL 1	
		Programming in C	PR 1	
				Design I
	Nontechnical Complementary Courses	s for Bachelors (from catalog	gue) - 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.