Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w17)

Sample course plan C Bachelor General Engineering Science (English program, 7 semester) (GESBS(7)) Specialisation Mechanical Engineering, Focus Product Development and Production

Legend:			
Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1 Forh	hrs/v&k	emester 2 Forhh	s/&kmester 3	Formirs	/wskmester 4	Formirs	/wskemester 5 Forthers	/wskemester 6 Forhh	rs/wskmester 7 Forthrs/v
2	Chemistry (GES) Chemistry I VL 2		echnical hermodynamics I	Technical Thermodynamics II		Mechanical Enginee Design (part 2)	ring:	Computer Engineering Computer Engineering VL 3	Foundations of Management	Advanced Internship AIW/ GES
3	Chemistry II VL 2	2 Te	echnical VL 2 hermodynamics I	Technical Thermodynamics II	VL 2	Team Project Design Methodology	PBL2	Computer Engineering UE 1	Introduction to VL 3 Management	
	Chemistry I HÜ 1 Chemistry II HÜ 1	, Te	echnical HÜ 1 hermodynamics I	Technical Thermodynamics II	HÜ 1	Mechanical Design Project II	PBL3		Management Tutorial HÜ 2	
4		Te	echnical UE 1 hermodynamics I	•	UE 1	Fundamentals of				
5				, , , , ,		Materials Science (p Fundamentals of	oart 2) VL 2			
6						Materials Science II				
7						Advanced Mechanica Engineering Design				
8	Linear Algebra Linear Algebra VL 4		lathematical Analysis athematical Analysis VL 4	Mathematics III Analysis III	VL 2	2)	(pai t	Introduction to Control Systems	Integrated Product Development and	
	Linear Algebra HÜ 2		athematical Analysis HÜ 2		UE 1	Advanced Mechanical	VL 2	Introduction to VL 2	Lightweight Design	
	Linear Algebra UE 2		athematical Analysis UE 2		HÜ 1	Engineering Design II Advanced Mechanical	⊔ïi ɔ	Control Systems	Integrated Product VL 2 Development I	
	-			Differential Equations	VL 2	Engineering Design II	по 2	Introduction to UE 2 Control Systems	Development of VL 2	
9				1 Differential Equations	HE 1	Production Engineer	rina		Lightweight Design Products	
10				1	OL I	(part 2)	5		CAE-Team Project PBL2	
11				Differential Equations	HÜ 1	Production Engineering II	VL 2			
				1		Production	HÜ 1			
						Engineering II				
12						Fluid Dynamics				
13 14						Fluid Mechanics	VL 3	Measurement Technology	Enhanced Fundamentals	
15						Fluid Mechanics	HÜ 2	for Mechanical and Process Engineers	of Materials Science Enhanced VL 2	
16	Electrical Engineering I Electrical Engineering VL 3		lectrical Engineering II lectrical Engineering VL 3	Mechanics III (GES) Mechanics III	HÜ 1			Measurement VL 2	Fundamentals: Metals	
17		II	lectrical Engineering VE 3	Mechanics III	UE 2			Technology for Mechanical and	Enhanced VL 2	
18	Electrical Engineering UE 2	2 Ele	ectrical Engineering UE 2	Mechanics III	VL 3	Mechanics IV (Kineti		Process Engineers	Fundamentals: Ceramics and	
	I	- "				Oscillations, Analytic Mechanics, Multiboo		Measurement HÜ 1	Polymers	
						Systems)		Technology for Mechanical and	Enhanced HÜ 1 Fundamentals:	
						Mechanics IV	VL 3	Process Engineers	Ceramics and	
						Mechanics IV	UE 2 HÜ 1	Practical Course: PR 2 Measurement and	Polymers	
						Mechanics IV	HU I	Control Systems		
19								Advanced Mechanical	Advanced Materials	Bachelor Thesis

20 21 Mechanics I (GES) Mechanics I Wechanics I Mechanics I Mechanics I Mechanics II Mechanics II	VL 2 Design (part 1) HÜ 2 Embodiment Design \ and 3D-CAD	g: Design Project Advanced Mechan Design Project L 2 BL3	Advanced Materials Characterization Advanced Materials Design Advanced Materials Design	VL 2 VL 2 HÜ 2
24 25 26 27 Programming in C Fundament	Materials Science I	Production Tech Forming and Cuttin Technology		
3	l Engineering Physical and Chemical V Basics of Materials Science	Forming and Cutting Technology Fundamentals of Machine Tools	ng HÜ 1 VL 2	
Physics for Engineers (GES) Physics for Engineers VL 2 Physics for Engineers UE 1 Engineering Fundamenta Mechanical Engineering	Engineering Design (p 1)	Fundamentals of Machine Tools L 2	HÜ 1	
1 2	Production Engineerin (part 1)	9		
Nontechnical Complementary Courses for Ba	Engineering I Production Engineering I	Ü 1		

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.