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

		-					Core Qualification Compulsory	Specialis	ation Compulsory	Focus Compulsory	Thesis Compulsory	
Sample	e course plan A Bachelor Gener	al Engineering Science (Germa	n program, 7 semester)	(AIWBS	(7))		Core Qualification Elective Compuls	ory Specialis	ation Elective Compulsory	Focus Elective Compuls	ory Interdisciplinary comp	olement
	isation Mechanical Engineering					mHrs/wk S	Semester 5	FormHrs/wk	Semester 6	FormHrs/wk	Semester 7	FormHrs/w
1	Chemistry	Electrical Engineering II: Alternating Current	Technical Thermodynamics II		Mechanical Engineering: Design (part 2)		Computer Engineering		Foundations of Manageme	ant	Advanced Internship AIW/ GES	
	Chemistry I VL 2	Networks and Basic Devices	Technical Thermodynamics II	VL 2			Computer Engineering	VL 3	Introduction to Management	VL 3	Autunced internship Arti, 625	
2	Chemistry II VL 2	Electrical Engineering II: Alternating VL 3	Technical Thermodynamics II	HÜ 1			Computer Engineering	GÜ 1	Management Tutorial	HÜ 2		
3	Chemistry I HÜ 1	Current Networks and Basic Devices	Technical Thermodynamics II	GÜ 1	Mechanical Design Project II PBL		Computer Engineering	G0 1	Management rutorial	nu z		
		Electrical Engineering II: Alternating GÜ 2	Technical Thermodynamics II	GU I								
4	Chemistry II HÜ 1	Current Networks and Basic Devices			Fundamentals of Materials Science (part	t 2)						
5		current networks and basic bevices			Fundamentals of Materials Science II VL	_ 2						
-												
6					Advanced Mechanical Engineering Design	ın						
7	Electrical Engineering I: Direct Current	Fundamentals of Mechanical Engineering	Mathematics III		(part 2)		Introduction to Control Systems		Integrated Product Develo	ppment and		
8	Networks and Electromagnetic Fields	Design	Analysis III	VL 2		. 2	Introduction to Control Systems	VL 2	Lightweight Design			
0	Electrical Engineering I: Direct Current VL 3	Fundamentals of Mechanical Engineering VL 2	Analysis III	GÜ 1	Design II	1	Introduction to Control Systems	GÜ 2	Integrated Product Developm	ent I VL 2		
	Networks and Electromagnetic Fields	Design	Analysis III	HÜ 1		) 2 '			Development of Lightweight I	Design VL 2		
	Electrical Engineering I: Direct Current GÜ 2	Fundamentals of Mechanical Engineering HÜ 2	Differential Equations 1	VL 2	Design II				Products			
9	Networks and Electromagnetic Fields	Design	Differential Equations 1	GÜ 1	Production Engineering (part 2)				CAE-Team Project	PBL 2		
10			Differential Equations 1	HÜ 1	Production Engineering II VL	_ 2						
			Differential Equations 1	HU 1	Production Engineering II HÜ	) 1						
11												
12					Fluid Dynamics							
						. 3						
13	Mathematics I	Technical Thermodynamics I					Measurement Technology for Mecha	inical and	Enhanced Fundamentals of	of Materials Science		
14	Linear Algebra I VL 2	Technical Thermodynamics I VL 2			ridia Mechanics no		Process Engineers		Enhanced Fundamentals: Met			
	Linear Algebra I GÜ 1	Technical Thermodynamics I HÜ 1					Measurement Technology for Mechanica	I VL 2	Enhanced Fundamentals: Cer	ramics and VL 2		
15	Linear Algebra I HÜ 1	Technical Thermodynamics I GÜ 1	Mechanics III (Hydrostatics, Kinema	tics,			and Process Engineers		Polymers			
16	Analysis I VL 2		Kinetics I)				Measurement Technology for Mechanica	I HÜ 1	Enhanced Fundamentals: Cer	amics and HÜ 1		
17	Analysis I GÜ 1		Mechanics III	VL 3			and Process Engineers		Polymers			
17	Analysis I HÜ 1		Mechanics III	GŪ 2				PR 2				
18			Mechanics III	HÜ 1	Mechanics IV (Kinetics II, Oscillations,	(	Control Systems					
19		Mechanics II: Mechanics of Materials			Analytical Mechanics, Multibody Systems	ıs)	Advanced Mechanical Design Projec		Electrical Machines and Ad	otu otovo	Bachelor Thesis	
		Mechanics II VL 2			Mechanics IV VL	3	Advanced Mechanical Design Project	PBL 4	Electrical Machines and Actua		Dactieloi Tilesis	
20		Mechanics II GÜ 2			Mechanics IV GÜ	) 2	Advanced Mechanical Design Project	IDL 4	Electrical Machines and Actua			
21	Mechanics I (Statics)	Mechanics II HÜ 2	Mechanical Engineering: Design (pa	rt 1)	Mechanics IV HÜ	) 1			Electrical Macrillies and Actua	11013 110 2		
	Mechanics I VL 2	Mechanics II no 2	Embodiment Design and 3D-CAD	VL 2								
22	Mechanics I GÜ 2		Mechanical Design Project I	PBL 3								
23	Mechanics I HÜ 1											
24												
			Fundamentals of Materials Science (									
25		Mathematics II	Fundamentals of Materials Science I	VL 2		P	Production Technology					
26		Linear Algebra II VL 2	Physical and Chemical Basics of Material	s VL 2		F	Forming and Cutting Technology	VL 2				
		Linear Algebra II GÜ 1	Science			F	Forming and Cutting Technology	HÜ 1				
27	Programming in C	Linear Algebra II HÜ 1				F	undamentals of Machine Tools	VL 2				
28	Programming in C VL 1	Analysis II VL 2	Advanced Mechanical Engineering D	esign		F	undamentals of Machine Tools	HÜ 1				
	Programming in C PR 1	Analysis II HÜ 1	(part 1)	Ĭ								
29	Physics for Engineers (AIW)	Analysis II GÜ 1	Advanced Mechanical Engineering	VL 2								
	Physics for Engineers VL 2		Design I									
30	Physics for Engineers GÜ 1		Advanced Mechanical Engineering	HÜ 2								
			Design I									
31			Production Engineering (part 1)									
			Production Engineering (part 1)	VL 2								
32												
33			Production Engineering I	HÜ 1								
-												
	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.