Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w20) Legend: Core gualification

	•		. .	iermar	n program, 7 semester) (Al	WBS(7))	Core qualification Compulsory	Specia	alisation Compulsory	Focus Compulsor	y Thesis Compuls	ory	
Speci	alisation Energy and Envir	omenta	al Engineering					Core qualification Elective Compulsory	Specia Comp	alisation Elective ulsory	Focus Elective Co	mpulsory Interdisciplinary complement	1	
LP	Semester 1	Formittirs,	/wikemester 2 F	or h hrs/	Watemester 3 Fo	r itti rs/	Solemester 4 Formirs	/wskemester 5 I	Formithrs	/&kemester 6	Formit	/&kemester 7	For hh rs/wk	
1 2 3 4 5 6	,	VL 4 HÜ 2	Electrical Engineering Alternating Current Networks and Basic Devices Electrical Engineering Networks and Basic Devices Electrical Engineering Electrical Engineering UI: Alternating Current Networks and Basic Devices	/L 3	Thermodynamics II Technical HÜ Thermodynamics II	. 2	Signals and Systems VL 3 Signals and Systems UE 2	Control Systems	VL 2	Foundations of Management Introduction to Management Management To	VL 3	Advanced Interns GES	hip AIW/	
7 8 9 10 11 12	Direct Current Netwo and Electromagnetic Fields Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	ieldsFundamentals of Mechanicallectrical Engineering VL 3MechanicalDirect CurrentEngineering Designletworks andFundamentals of Mechanicalilectrical Engineering UE 2Engineering DesignDirect CurrentEngineering Designletworks andEngineering Design		1g /L 2 1 Ü 2	Analysis III HÜ 1 Differential Equations VL 2		Fundamentals of Fluid Mechanics Fundamentals of Fluid VL 2 Mechanics Fluid Mechanics for HÜ 2 Process Engineering	Transfer Heat and Mass U Transfer	VL 2 UE 1	Particle Techn Solids Process Engineering Particle Techno Particle Techno Particle Techno	s logy I VL 2 logy I UE 1	2 1		
13 14 15 16 17 18	Linear Algebra I Linear Algebra I Analysis I Analysis I	VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1	Thermodynamics I Technical H Thermodynamics I	/L 2 1Ü 1 JE 1	Mechanics III UE	s) 3	and Actuators	Processes Thermal Separation Processes	VL 2 UE 2 HÜ 1 PR 1	Environmental Assessment Environmental Assessment Environmental Assessment Environmental Practical Exercis Environmental Technology	VL 2 UE 1 Junt 2)			
19 20 21	-		Mechanics II: Mechanics of Materials				Renewables and Energy Systems	Computational Fluid Dynamics I				Bachelor Thesis		
21	Mechanics I (Statics)		Mechanics II V	/L 2	Mechanical Engineering	g:	Renewable Energy VL 2	Computational Fluid	VL 2					

23 24 25 26 27 28 29	Mechanics I Mechanics I Mechanics I Programming in C Programming in C Programming in C Programming in C		Mechanics II Mechanics II Mathematics II Linear Algebra II Linear Algebra II Linear Algebra II Analysis II Analysis II Analysis II	UE 2 HÜ 2 UE 1 HÜ 1 VL 2 HÜ 1 UE 1	Design (part 1) Embodiment Design VL 2 and 3D-CAD PBL3 Project I Computer Engineering Computer Engineering VL 3 Computer Engineering UE 1	Power Industry Renewable Energy Mechanical Enginee Design (part 2) Team Project Design Methodology Mechanical Design Project II Fundamentals of Materials Science (j Fundamentals of	Energy Industry Power Industry VL 1 Renewable Energy UE 1 Mechanical Engineering: Design (part 2) Team Project Design PBL2 Methodology Mechanical Design PBL3 Project II Fundamentals of Materials Science (part 2)		HÜ 2 hology neers VL 2 HÜ 1 PR 2
30 31	Physics for Engineers Physics for Engineers				Fundamentals of Materials Science (part 1)	Materials Science II		Practical Course: Measurement and Control Systems	PK 2
31					Fundamentals of VL 2 Materials Science I			Environmental Technology (part 1)	
					Physical and Chemical VL 2 Basics of Materials			Environmental Technologie	VL 2
33					Science				
	Non-technical Courses	for Bach	elors (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.