Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w19)

	_					Core Qualification Compulsory					
ample	course plan - Bachelor Genera	I Engineering Science (German	n program, 7 semester) (AIWB	S(7))		Core Qualification Elective Compu	Isory Specialis	sation Elective Compulsory Fo	ocus Elective Compulso	Interdisciplinary complex	ment
ρeciali	sation Energy and Environment	IsEngineering FormHrs/wl	Semester 3 FormHrs.	/wk Semester 4	FormHrs/wk	Semester 5	FormHrs/wk	Semester 6	FormHrs/wk	Semester 7	FormHrs/\
L	Chemistry	Electrical Engineering II: Alternating Current	Technical Thermodynamics II	Signals and Systems		Introduction to Control Systems		Foundations of Management	:	Advanced Internship AIW/ ES	
	Chemistry I VL 2	Networks and Basic Devices	Technical Thermodynamics II VL 2	Signals and Systems	VL 3	Introduction to Control Systems	VL 2	Introduction to Management	VL 3	Advanced Internship AIW/ ES:	SE 1
	Chemistry II VL 2	Electrical Engineering II: Alternating VL 3	Technical Thermodynamics II HÜ 1	Signals and Systems	GÜ 2	Introduction to Control Systems	GŪ 2	Management Tutorial	GŪ 2	Preparation	
	Chemistry I HÜ 1	Current Networks and Basic Devices	Technical Thermodynamics II GÜ 1							Advanced Intenship AIW/ ES: Internship	ip- SE 1
	Chemistry II HÜ 1	Electrical Engineering II: Alternating GŪ 2								accompanying Seminar	
		Current Networks and Basic Devices									
	Electrical Engineering I: Direct Current	Fundamentals of Mechanical Engineering	Mathematics III	Fundamentals of Fluid Mechanics		Heat and Mass Transfer		Particle Technology and Soli	ds Process		
	Networks and Electromagnetic Fields	Design	Analysis III VL 2		VL 2	Heat and Mass Transfer	VL 2	Engineering	VL 2		
	Electrical Engineering I: Direct Current VL 3  Networks and Electromagnetic Fields	Fundamentals of Mechanical Engineering VL 2 Design	Analysis III GŪ 1	Fluid Mechanics for Process Engineering	HU 2	Heat and Mass Transfer	GÜ 1	Particle Technology I  Particle Technology I	GÜ 1		
	Electrical Engineering I: Direct Current GÜ 2	Fundamentals of Mechanical Engineering HÜ 2	Analysis III HÜ 1			Heat and Mass Transfer	HÜ 1	Particle Technology I	PR 2		
)	Networks and Electromagnetic Fields	Design	Differential Equations 1         VL         2           Differential Equations 1         GÜ         1					raticle reciniology i	FR 2		
1	-		Differential Equations 1 GU 1  Differential Equations 1 HÜ 1								
2			Differential Equations 1 HO 1								
3	Mathematics I	Technical Thermodynamics I		Electrical Machines and Actuators		Thomas Comments and December 1		Environmental Technology (			
/	Linear Algebra I VL 2	Technical Thermodynamics I VL 2		Electrical Machines and Actuators  Electrical Machines and Actuators	VL 3	Thermal Separation Processes Thermal Separation Processes	VL 2	Practical Exercise Environmenta			
/	Linear Algebra I GÜ 1	Technical Thermodynamics I HÜ 1		Electrical Machines and Actuators	HÜ 2	Thermal Separation Processes	GÜ 2	Technology	I FK I		
4	Linear Algebra I HÜ 1	Technical Thermodynamics I GÜ 1		Electrical Machines and Actuators	nu z	Thermal Separation Processes	HÜ 1	reciniology			
	Analysis I VL 2	reclinical methodynamics 1 GO 1				Separation Processes	PR 1				
5	Analysis I GÜ 1		Mechanics III (Dynamics)								
5	Analysis I HÜ 1		Mechanics III VL 3								
7			Mechanics III GÜ 2								
			Mechanics III HÜ 1								
8											
9		Mechanics II: Mechanics of Materials		Renewables and Energy Systems		Computational Fluid Dynamics I				Bachelor Thesis	
0		Mechanics II VL 2		Renewable Energy	VL 2	Computational Fluid Dynamics I	VL 2				
1	Mechanics I (Statics)	Mechanics II GÜ 2	Computer Engineering	Energy Systems and Energy Industry	VL 2	Computational Fluid Dynamics I	HÜ 2				
	Mechanics I (Statics)  Mechanics I VL 2	Mechanics II HÜ 2	Computer Engineering VL 3	Power Industry	VL 1						
2	Mechanics I GÜ 2		Computer Engineering GÜ 1	Renewable Energy	GÜ 1						
3	Mechanics I HÜ 1										
4											
5											
		Mathematics II Linear Algebra II VL 2		Mechanical Engineering: Design (pa Team Project Design Methodology	PBL 2	Measurement Technology for Mech Engineers	nanical				
5		Linear Algebra II VL 2 Linear Algebra II GÜ 1		Mechanical Design Project II	PBL 2 PBL 3	Measurement Technology for Mechanic	al VI 2				
,	Programming in C	Linear Algebra II HÜ 1	Mechanical Engineering: Design (part 1)	Mechanical Design Project II	FDL 3	Engineering					
_	Programming in C VL 1	Analysis II VL 2	Embodiment Design and 3D-CAD VL 2	Fundamentals of Materials Science	(t 2)	Measurement Technology for Mechanic	al HÜ 1				
8	Programming in C PR 1	Analysis II HÜ 1	Mechanical Design Project I PBL 3	Fundamentals of Materials Science II		Engineering					
9	Physics for Engineers (AIW)	Analysis II GŪ 1		rundamentals of Materials Science II	VL Z	Practical Course: Measurement and	PR 2				
	Physics for Engineers VL 2					Control Systems					
)	Physics for Engineers GÜ 1		Fundamentals of Materials Science (part 1)								
1			Fundamentals of Materials Science I VL 2  Physical and Chemical Basics of Materials VL 2			Environmental Technology					
,			Physical and Chemical Basics of Materials VL 2 Science			Environmental Assessment	VL 2				
۷ ۱						Environmental Assessment	GÜ 1				
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3											
_						Environmental Technology (part 1)					
-						Environmental Technology (part 1) Environmental Technologie	VL 2				

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