Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w20)

							Core Qualification Compulsory				Thesis Compulsory
mple	e course plan B Bachelor Gener	al Engineering Science (Germa	an program, 7 semester)	(AIWBS	(7))		Core Qualification Elective Compu	Isory Specialis	sation Elective Compulsory	Focus Elective Compuls	Interdisciplinary complement
	lisation Bioprocess Engineering										
	Chemistry	Electrical Engineering II: Alternating Current	Technical Thermodynamics II		Signals and Systems		Introduction to Control Systems		Foundations of Managen	nent	Advanced Internship AIW/ ES
	Chemistry I+II VL 4	Networks and Basic Devices	Technical Thermodynamics II	VL 2	Signals and Systems	VL 3	Introduction to Control Systems	VL 2	Introduction to Managemen	t VL 3	Advanced Internship AIW/ ES:
	Chemistry I+II HÜ 2	Electrical Engineering II: Alternating VL 3	Technical Thermodynamics II	HÜ 1	Signals and Systems	GŪ 2	Introduction to Control Systems	GÜ 2	Management Tutorial	GŪ 2	Preparation
		Current Networks and Basic Devices	Technical Thermodynamics II	GÜ 1							Advanced Intenship AIW/ ES: Internship-
		Electrical Engineering II: Alternating GÜ 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		Process and Plant Engine		
_	Networks and Electromagnetic Fields	Design Design		VL 2		VL 2	Heat and Mass Transfer Heat and Mass Transfer	VII 2	_		
	Electrical Engineering I: Direct Current VL 3	Fundamentals of Mechanical Engineering VL 2	Analysis III					VL 2	Process and Plant Engineeri	- T	
	Networks and Electromagnetic Fields	Design VE 2	Analysis III	GÜ 1	Fluid Mechanics for Process Engineering	HU 2	Heat and Mass Transfer	GÜ 1	Process and Plant Engineeri		
	Electrical Engineering I: Direct Current GÜ 2	Fundamentals of Mechanical Engineering HÜ 2	Analysis III	HÜ 1			Heat and Mass Transfer	HÜ 1	Process and Plant Engineeri	ing I GÜ 1	
	Networks and Electromagnetic Fields	Design 2	Differential Equations 1	VL 2							
	2/d Electionagnetic Fields		Differential Equations 1	GÜ 1							
	•		Differential Equations 1	HÜ 1							
	Mathematics I	Technical Thermodynamics I			Phase Equilibria Thermodynamics		Thermal Separation Processes		Particle Technology and	Solids Process	
	Linear Algebra I VL 2	Technical Thermodynamics I VL 2			Phase Equilibria Thermodynamics	VL 2	Thermal Separation Processes	VL 2	Engineering		
-	Linear Algebra I GÜ 1	Technical Thermodynamics I HÜ 1			Phase Equilibria Thermodynamics	GŪ 1	Thermal Separation Processes	GÜ 2	Particle Technology I	VL 2	
	Linear Algebra I HÜ 1	Technical Thermodynamics I GÜ 1	Mechanics III (Dynamics)		Phase Equilibria Thermodynamics	HÜ 1	Thermal Separation Processes	HÜ 1	Particle Technology I	GÜ 1	
	Analysis I VL 2		Mechanics III	VL 3			Separation Processes	PR 1	Particle Technology I	PR 2	
	Analysis I GÜ 1		Mechanics III	GÜ 2							
	Analysis I HÜ 1		Mechanics III	HÜ 1							
		Mechanics II: Mechanics of Materials			Biochemistry and Microbiology		Chemical Reaction Engineering (pa	ort 1)	Chemical Reaction Engin	peering (part 2)	Bachelor Thesis
	a de la companya de				biochemistry and increbiology				enemical neaction Engin		Buchelor Thesis
		Machanics II VI 2			Riochemistry		Chemical Peaction Engineering		Evperimental Course Chemi		
		Mechanics II VL 2				VL 2	Chemical Reaction Engineering	VL 2	Experimental Course Chemi	ical PR 2	
		Mechanics II GŪ 2			Biochemistry	PBL 1	Chemical Reaction Engineering Chemical Reaction Engineering	VL 2 HÜ 2	Experimental Course Chemi Engineering	ical PR 2	
	Mechanics I (Statics)		Computer Engineering		Biochemistry Microbiology	PBL 1 VL 2				ical PR 2	
	Mechanics I VL 2	Mechanics II GŪ 2	Computer Engineering	VL 3	Biochemistry Microbiology	PBL 1				ical PR 2	
	Mechanics I VL 2 Mechanics I GÜ 2	Mechanics II GŪ 2		VL 3 GŪ 1	Biochemistry Microbiology	PBL 1 VL 2	Chemical Reaction Engineering	HÜ 2		ical PR 2	
	Mechanics I VL 2	Mechanics II GŪ 2	Computer Engineering		Biochemistry Microbiology	PBL 1 VL 2	Chemical Reaction Engineering Bioprocess Engineering - Advanced	HÜ 2		ical PR 2	
	Mechanics I VL 2 Mechanics I GÜ 2	Mechanics II GŪ 2	Computer Engineering		Biochemistry Microbiology	PBL 1 VL 2	Chemical Reaction Engineering Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	HÜ 2		ical PR 2	
	Mechanics I VL 2 Mechanics I GÜ 2	Mechanics II GŪ 2	Computer Engineering		Biochemistry Microbiology Microbiology	PBL 1 VL 2 PBL 1	Chemical Reaction Engineering Bioprocess Engineering - Advanced	HÜ 2		ical PR 2	
	Mechanics I VL 2 Mechanics I GÜ 2	Mechanics II GÜ 2 Mechanics II HÜ 2	Computer Engineering		Biochemistry Microbiology	PBL 1 VL 2 PBL 1	Chemical Reaction Engineering Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	HÜ 2		ical PR 2	
	Mechanics I VL 2 Mechanics I GÜ 2	Mechanics II GÜ 2	Computer Engineering		Biochemistry Microbiology Microbiology Bioprocess Engineering - Fundamental Bioprocess Engineering - Fundamentals	PBL 1 VL 2 PBL 1	Chemical Reaction Engineering Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	HÜ 2		ical PR 2	
	Mechanics I VL 2 Mechanics I GÜ 2	Mechanics II GÜ 2	Computer Engineering	GŪ 1	Biochemistry Microbiology Microbiology Bioprocess Engineering - Fundament:	PBL 1 VL 2 PBL 1 als VL 2 HÜ 2	Chemical Reaction Engineering Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	HÜ 2		ical PR 2	
	Mechanics I VL 2 Mechanics I GÜ 2 Mechanics I HÜ 1	Mechanics II	Computer Engineering Computer Engineering	GŪ 1	Biochemistry Microbiology Microbiology Bioprocess Engineering - Fundament: Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals	PBL 1 VL 2 PBL 1 als VL 2 HÜ 2	Chemical Reaction Engineering Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	HÜ 2		ical PR 2	
	Mechanics I VL 2 Mechanics I GÜ 2 Mechanics I HÜ 1 Programming in C	Mechanics II	Computer Engineering Computer Engineering Fundamentals of Process Engineering Introduction into Process	GÜ 1	Biochemistry Microbiology Microbiology Bioprocess Engineering - Fundamenta Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals	PBL 1 VL 2 PBL 1 als VL 2 HÜ 2	Chemical Reaction Engineering Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	HÜ 2		ical PR 2	
	Mechanics VL 2	Mechanics II	Computer Engineering Computer Engineering Fundamentals of Process Engineering Material Engineering	GŪ 1	Biochemistry Microbiology Microbiology Bioprocess Engineering - Fundamenta Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals	PBL 1 VL 2 PBL 1 als VL 2 HÜ 2	Chemical Reaction Engineering Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	HÜ 2		ical PR 2	
	Mechanics VL 2	Mechanics II	Computer Engineering Computer Engineering Fundamentals of Process Engineering Introduction into Process	GÜ 1 ng and VL 2	Biochemistry Microbiology Microbiology Bioprocess Engineering - Fundamenta Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals	PBL 1 VL 2 PBL 1 als VL 2 HÜ 2	Chemical Reaction Engineering Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	HÜ 2		ical PR 2	
	Mechanics VL 2	Mechanics II	Computer Engineering Computer Engineering Fundamentals of Process Engineerin Material Engineering Introduction into Process Engineering/Bioprocess Engineering	GÜ 1 ng and VL 2	Biochemistry Microbiology Microbiology Bioprocess Engineering - Fundamenta Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals	PBL 1 VL 2 PBL 1 als VL 2 HÜ 2	Chemical Reaction Engineering Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	HÜ 2		ical PR 2	
	Mechanics VL 2	Mechanics II	Computer Engineering Computer Engineering Fundamentals of Process Engineerin Material Engineering Introduction into Process Engineering/Bioprocess Engineering	GÜ 1 ng and VL 2	Biochemistry Microbiology Microbiology Bioprocess Engineering - Fundamenta Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals	PBL 1 VL 2 PBL 1 als VL 2 HÜ 2	Chemical Reaction Engineering Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	HÜ 2		ical PR 2	
	Mechanics VL 2	Mechanics II	Computer Engineering Computer Engineering Fundamentals of Process Engineerin Material Engineering Introduction into Process Engineering/Bioprocess Engineering	GÜ 1 ng and VL 2	Biochemistry Microbiology Microbiology Bioprocess Engineering - Fundamenta Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals	PBL 1 VL 2 PBL 1 als VL 2 HÜ 2	Chemical Reaction Engineering Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	HÜ 2		ical PR 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.