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

	e course plan A Bachelo		al Engineering Science (	English	program, 7 semester)	(GESBS(	7))		Core qualification Compulsory	Specia	alisation Compulsory	Focus Compulse	ory	Thesis Compulsory	/
Specia	ilisation Process Enginee	ering							Core qualification Elective Compulsory		alisation Elective ulsory	Focus Elective (	Compulsory	Interdisciplinary complement	
LP	Semester 1	Formit	ଏହିkmester 2	For <b>h</b> hrs/	ଏହିkemester 3	For <b>h</b> hrs	/www.ester 4	For <b>h</b> hrs	/wskemester 5 F	Formining	/ <b>&amp;k</b> mester 6	Formi	s/ <b>&amp;k</b> mes	ter 7	Formhrs/wk
1 2 3 4 5 6	Chemistry (GES) Chemistry I Chemistry II Chemistry I Chemistry II	VL 2 VL 2 HÜ 1 HÜ 1	Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I	HÜ 1	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II		Fundamentals of Flu Mechanics Fundamentals of Fluid Mechanics Fluid Mechanics for Process Engineering	VL 2	Control Systems	VL 2	Foundations of Management Introduction to Management Management Tu	VL 3	GES	ced Internshi	p AIW/
7 8 9 10 11 12	<b>Linear Algebra</b> Linear Algebra Linear Algebra Linear Algebra	VL 4 HÜ 2 UE 2	Mathematical Analys Mathematical Analysis Mathematical Analysis Mathematical Analysis	VL 4 HÜ 2 UE 2	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1	UE 1	Phase Equilibria Thermodynamics Phase Equilibria Thermodynamics Phase Equilibria Thermodynamics Phase Equilibria Thermodynamics	UE 1	Transfer Heat and Mass U Transfer	<b>fer</b> √L 2 JE 1 HÜ 1	Chemical Read Engineering (p Experimental Co Chemical Engine Process and P Engineering I Process and Pla Engineering I	part 2) ourse PR 2 eering lant nt VL 2			
13 14					Differential Equations	HÜ 1	Signals and Systems Signals and Systems Signals and Systems	VL 3	Thermal Separation ProcessesThermal Separation Processes	VL 2	Process and Pla Engineering I Process and Pla Engineering I				
15 16 17 18	Electrical Engineerin Electrical Engineering I Electrical Engineering	VL 3	Electrical Engineerin Electrical Engineering II Electrical Engineering II	VL 3	Mechanics III (GES) Mechanics III Mechanics III Mechanics III	HÜ 1 UE 2 VL 3			Processes	JE 2 HÜ 1 PR 1	Particle Techn Solids Process Engineering Particle Technol Particle Technol	s logy I VL 2			
19 20							Bioprocess Enginee Fundamentals	ring -	Chemical Reaction Engineering (part 1)		Particle Technol	logy I PR 2	Bache	lor Thesis	
21 22 23 24 25	Mechanics I (GES) Mechanics I Mechanics I	VL 2 HÜ 3		VL 2 HÜ 2	Computer Engineering Computer Engineering Computer Engineering	VL 3	Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamental Practical Course	HÜ 2	Chemical Reaction V Engineering Chemical Reaction H Engineering Measurement Technoo for VT/ BVT Measurement V Technology	HÜ 2	Informatics for Engineers Numeric and Ma Informatics for Process Enginee Informatics for Process Enginee	atlab PR 2 VL 2 ers UE 2			
26									Measurement						

Core gualification

Programming in C PR 1 Fundamentals of VL 2 Introduction into VL 2 Environmental VL 2 Assessment
Physics for Engineers (GES) VL 2 Introduction into VL 2 Introduction into VL 2   Physics for Engineers (GES) Mechanical Engineering Process Engineering/Bioprocess Engineering/Bioprocess   Physics for Engineers (DES) Fundamentals of Engineering UE 1   Physics for Engineers (DES) Fundamentals of Engineering UE 2   Physics for Engineers (DES) Fundamentals of Engineering UE 2   Physics for Engineers (DES) Fundamentals of Engineering VL 2   Physics for Engineers (DES) Fundamentals of Engineering VL 2
Physical Chemistry VL 2   Physical Chemistry 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.