Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w16)

Sample course plan B Bachelor General Engineering Science (English program, 7 semester) (GESBS(7))

Legend:

Semester 1 Chemistry (G Chemistry I Chemistry I Chemistry I Chemistry I Chemistry I		Semester 2 Form Fundamentals of Mechanical Engineering Design Fundamentals of VL 2 Mechanical Engineering Design Fundamentals of HÜ 2 Mechanical Engineering Design	Thermodynamics II Technical		Weemester 4 Fundamentals of Fluid Mechanics Fundamentals of Fluid Mechanics Fluid Mechanics for Process Engineering	Compulso FortHirs/ VL 2	ication Elective Welemester 5 Introduction to Systems Introduction to Co Systems Introduction to Co Systems	Control	/wSkemester 6	n s of Mana n to nt	FormHrs/	Interdisciplinary complement
Linear Algebra Linear Algebra Linear Algebra Linear Algebra	A VL 4 Technical VL 2 A HÜ 2 Thermodynamics I			Phase Equilibria Thermodynamics Phase Equilibria Thermodynamics Phase Equilibria Thermodynamics Phase Equilibria Thermodynamics	VL 2 Heat and M	Heat and Mass T Heat and Mass T Heat and Mass T Heat and Mass T	Transfer VL 2 Transfer UE 1	Thermal Separation Processes (part 2) Separation Processes Chemical Reaction Engineering (part 2) Experimental Course Chemical Engineering Process and Plant Engineering I Process and Plant	(part 2) Processes Reaction ng (part 2) tal Course Engineering nd Plant ng I	PR 2		
	Jineering I neering I VL 3 neering I UE 2	Mathematical AnalysisVLMathematical AnalysisVLHÜ2Mathematical AnalysisUE22		HÜ 1 UE 2 VL 3	Signals and Systems Signals and Systems Signals and Systems	VL 3 HÜ 1	Thermal Separate Processes (part Thermal Separatic Processes Thermal Separatic Processes Thermal Separate Processes Chemical Reacti Engineering (pa	1) on VL 2 on UE 2 on HÜ 1 ion I	Engineering I Process and Engineering I Process and Engineering I Particle Tec Solids Proc Particle Tech Particle Tech	g I Id Plant g I Id Plant g I I Id Plant g I I Id Plant g I Id Plant g Id Plant g	HÜ 1 UE 1 nd eering VL 2 UE 1	
Mechanics I Mechanics I Mechanics I	GES) VL 2 HÜ 3	Electrical Engineering II Electrical Engineering II VL 3 Electrical Engineering II UE 2		g VL 3 UE 1	Bioprocess Engineerin Fundamentals Bioprocess Engineering - Fundamentals Bioprocess Engineering- Fundamentals Bioprocess Engineering - Fundamental Practical Course	VL 2 HÜ 2	Chemical Reactic Engineering Chemical Reactic Engineering Measurement Te for Mechanical a Engineers Measurement Technology for Mechanical and F Engineers	on VL 2 on HÜ 2 echnology and Process VL 2	(part 2) Practical E Environmen Technology	ental Techn xercise ntal	ology PR 1	Bachelor Thesis

Engineers Assessment	UE 1
Practical Course: PR 2 Measurement and	
Programming in C Mechanics II (GES) Fundamentals of Process Control Systems	
Programming in C VL 1 Mechanics II VL 2 Engineering Environmental Technology	
Programming in C PR 1 Mechanics II HŪ 2 Introduction into VL 2 (part 1)	
Physics for Engineers (GES) Engineering/Bioprocess Environmental VL 2	
Physics for Engineers VI 2	
Physics for Engineers UE 1 Fundamentals of material engineering	
Physical Chemistry	
Physical Chemistry VL 2	
Physical Chemistry PR 2	
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.