## Course of Study General Engineering Science (German program) (Study Cohort w15)

Sample course plan - Bachelor General Engineering Science (German program) (AIWBS) Specialisation Chemical Engineering Legend: Core qualification Compulsory

Specialisation Compulsory

Focus Compulsory

Thesis Compulsory

-	ialisation Chemical Engineerin	g			Core qualification Elective Compulsory		cialisation Elective	Focus Elective	Compulsory	Interdisciplinary com	plement
LP	Semester 1 FormHrs/w	Semester 2 FormHrs/w	/k Semester 3	FormHrs/wł	Semester 4	FormHrs/w	k Semester 5	FormHr	s/wk Semester 6		FormHrs/wk
1	Physics for Engineers (part 1)	Electrical Engineering II: Alternating Current	Technical Thermodynamics II		Physical Chemistry (part 2)		Introduction to Control System	ems	Foundations	of Management	
2	Physics for Engineers VL 2 Physics for Engineers UE 1	Networks and Basic Devices Electrical Engineering II: Alternating VL 3	Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1	Environmental Assessment	VL 2	Introduction to Control Syste Introduction to Control Syste			to Management epreneurship	VL 4 POL 2
3		Current Networks and Basic Devices	Technical Thermodynamics II	UE 1	Fundamentals of Fluid Mechanics						
4		Electrical Engineering II: Alternating UE 2 Current Networks and Basic Devices			Fundamentals of Fluid Mechanics Exercises in Fluid Mechanics for	VL 2 HÜ 1					
5	Chemistry	Survey and Dasie Devices			Process Engineering	110 1					
6	Chemistry I VL 2										
7	Chemistry II VL 2	Fundamentals of Mechanical Engineering	Computer Engineering				Heat and Mass Transfer		Thermal Se	paration Processes (pa	art 2)
-	Chemistry I HÜ 1 Chemistry II HÜ 1	Design	Computer Engineering	VL 3			Heat and Mass Transfer	VL 2			PR 1
8		Fundamentals of Mechanical VL 2	Computer Engineering	UE 1			Heat and Mass Transfer	UE	1 Chemical R	eaction Engineering (pa	art 2)
9		Engineering Design			Phase Equilibria Thermodynamics					al Course Chemical	PR 2
9		Fundamentals of Mechanical HÜ 2 Engineering Design			Thermodynamics III	VL 2			Engineering		
10		Lighteening Design			Thermodynamics III	UE 1			Process an	d Plant Engineering I	
11	Electrical Engineering I: Direct Current				Thermodynamics III	HÜ 1			Process an	d Plant Engineering I	VL 2
12	Networks and Electromagnetic Fields									d Plant Engineering I	HÜ 1
	Electrical Engineering I: Direct Current VL 3								Process an	d Plant Engineering I	UE 1
13	Networks and Electromagnetic Fields	Technical Thermodynamics I Technical Thermodynamics I VL 2	Mathematics III Analysis III	VL 2			Thermal Separation Process				
14	Electrical Engineering I: Direct Current UE 2 Networks and Electromagnetic Fields	Technical Thermodynamics I VL 2 Technical Thermodynamics I HÜ 1	Analysis III Analysis III	VL 2 UE 1			Thermal Separation Process				
15	Networks and Electromagnetic Fields	Technical Thermodynamics I UE 1	Analysis III	HÜ 1	Signals and Systems		Thermal Separation Process				
16			Differential Equations 1	VL 2	Signals and Systems	VL 3				hnology and Solids Pr	ocess
17	Mathematics I		Differential Equations 1	UE 1	Signals and Systems	HÜ 1			Engineering	1	
	Linear Algebra I VL 2		Differential Equations 1	HÜ 1			Observiced Describer Environ		Particle Tec		VL 2
18	Linear Algebra I UE 1		_				Chemical Reaction Enginee		Particle Tec		UE 1
19	Linear Algebra I HÜ 1	Mechanics II: Mechanics of Materials					Chemical Reaction Enginee	-		hnology I	PR 2
20	Analysis I VL 2	Mechanics II VL 2									
21	Analysis I UE 1	Mechanics II UE 2 Mechanics II HÜ 2	Mechanics III (Hydrostatics, Kinema	atics,	Practical Training in Process Engine	ering					
22	Analysis I HÜ 1		Kinetics I)		(part 1)		Practical Training in Proces	s Engineering	Bachelor TI	nesis	
23			Mechanics III	VL 3		PR 3	(part 2)	J J			
23			Mechanics III	UE 2 HÜ 1	Techniques		Measurement Methods in Pr	ocess VL 2	2		
			Mechanics III	HUI			Engineering				
24											
25	Mechanics I (Statics)	Mathematics II			Bioprocess Engineering - Fundament	als					
26	Mechanics I VL 2	Linear Algebra II VL 2			Bioprocess Engineering -	VL 2					
27	Mechanics I UE 2	Linear Algebra II UE 1	Fundamentals of Process Engineeri	ina	Fundamentals	110 0					
	Mechanics I HÜ 1	Linear Algebra II HÜ 1 Analysis II VL 2	Environmental Technologie	VL 2	Bioprocess Engineering- Fundamentals	HÜ 2					
28		Analysis II VL 2 Analysis II HÜ 1	Introduction into Process	VL 2	Bioprocess Engineering -	PR 2					
29		Analysis II UE 1	Engineering/Bioprocess Engineering		Fundamental Practical Course						
30			Fundamentals of Technical Drawing	VL 1							
31			and Materials Fundamentals of Technical Drawing	HŰ 1							
32	-		and Materials								
52	4										

33		Programming in C		Physical Chemistry (part 1)	
34		Programming in C	VL 1	Physical Chemistry	VL 2
<b>2</b> ·		Programming in C	PR 1	Physical Chemistry	PR 2
35		Physics for Engineers (part 2)			
36		Physics-Lab for ET/ AIW/ GES	PR 1		
	Nontechnical Complementary Courses	for Bachelors (from catalog	ue) - 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.