Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w17)

Sample course plan C Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7)) Specialisation Mechanical Engineering, Focus Theoretical Mechanical Engineering

Legend:			
Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Chemistry V. 2 Chemistry											
Chemistry V. 2 Chemistry V. 2 Chemistry V. 2 Chemistry V. 2 Chemistry V. 3 Chemistry V. 4 Chemistry V. 5 Chemistry V. 6 Chemistry V. 6 Chemistry V. 6 Chemistry V. 7 Chemistry V. 8 Chemistry V. 7 Chemistry	P Semester 1	Formers	∕⊌kmester 2	Formers	/សkmester 3	For M rs/	/ស់kemester 4 Forhhr	s/wsikemester 5 Formir	s/wsiemester 6 For	rmHrs/wSks	emester 7 Fort
Selectrical Engineering Logical Engineer	Chemistry Chemistry I Chemistry II Chemistry II Chemistry II	VL 2 HÜ 1	Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating Current Networks and Basic	VL 3	Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical	HÜ 1	Design (part 2) Team Project Design PBL2 Methodology Mechanical Design PBL3 Project II Fundamentals of Materials Science (part 2) Fundamentals of VL 2 Materials Science II	Computer Engineering VL 3	Management Introduction to VL Management	. 3	dvanced Internship AIW ES
Mathematics Thermodynamics Thermod	Electrical Engineering Direct Current Networks and Electromagnetic Fields Electrical Engineering I: Direct Current Networks and Electromagnetic Fields Electrical Engineering I: Direct Current Networks and	vorks c VL 3	Mechanical Engineer Design Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical	VL 2	Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations	UE 1 HÜ 1 VL 2 UE 1	Engineering Design (part 2) Advanced Mechanical Engineering Design II Advanced Mechanical Engineering Design II Fluid Dynamics Fluid Mechanics VL 3	Systems Introduction to VL 2 Control Systems Introduction to UE 2	Complex Functions VL Complex Functions UE Complex Functions HÜ Differential Equations VL Differential Equations UE 2 Differential Equations HÜ	∃ 1 Ü 1 . 2	
20 Of Materials Design Project (part 2)	Mathematics I Linear Algebra I Linear Algebra I Linear Algebra I Analysis I Analysis I Analysis I	UE 1 HÜ 1 VL 2 UE 1	Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I	HÜ 1	(Hydrostatics, Kinematics, Kinetics Mechanics III	VL 3 UE 2	Oscillations, Analytical Mechanics, Multibody Systems) Mechanics IV VL 3 Mechanics IV UE 2	for Mechanical and Process Engineers Measurement VL 2 Technology for Mechanical and Process Engineers Measurement HÜ 1 Technology for Mechanical and Process Engineers Practical Course: PR 2 Measurement and Control Systems	Advanced Materials VL Characterization Advanced Materials VL Design Advanced Materials HÜ Design	- 2 J 2	
AT PROGRAMOS FORGERS PROGRAMOS IN VE A PROGRAMMOS FINANCIAL STATION AND AUTOMOS PROGRAMMOS FINANCIAL DES FRANCISCO VE A	20	;)			Mechanical Engineeri	ina:	Signals and Systems		(part 2)		achelor Thesis

	Mechanics I	VL 2	Mechanics II	UE 2	Design (part 1)		Signals and Systems	VL 3	Design Project		Engineering II	
	Mechanics I	UE 2	Mechanics II	HÜ 2		VL 2	Signals and Systems	UE 2			Production	HÜ 1
	Mechanics I	HÜ 1			and 3D-CAD						Engineering II	
2					Mechanical Design	PBL3						
3					Project I							
					Fundamentals of							
5			Mathematics II		Materials Science (p	art 1)			Production Engineer	ina		
5			Linear Algebra II	VL 2	Fundamentals of	VL 2			(part 1)	9		
	Programming in C		, and the second		Materials Science I				Production	VL 2		
	_	\/ 1	Linear Algebra II	UE 1	Physical and Chemical	VL 2			Engineering I			
	Programming in C	VL 1	Linear Algebra II	HÜ 1	Basics of Materials				Production	HÜ 1		
	Programming in C	PR 1	Analysis II	VL 2	Science				Engineering I			
			Analysis II	HÜ 1								
			Analysis II	UE 1	Advanced Mechanica							
	Physics for Engineer (AIW)	rs			Engineering Design (1)	(part						
	Physics for Engineers	VL 2			Advanced Mechanical	VL 2						
	Physics for Engineers	UE 1			Engineering Design I							
	, in the second				Advanced Mechanical Engineering Design I	HÜ 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.

Nontechnical Complementary Courses for Bachelors (from catalogue) - 6LP