Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w18) Legend: Core gualification

Sample course plan B Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7))

Specia	ilisation Mechanical Engir	neering,	Focus Materials in Engi	neering	Sciences					Specia Compu	lisation Elective Ilsory	Focus Elective Cor	npulsory Interdisciplinary complement	
LP	Semester 1	Formithrs/	ଷ୍ଟkmester 2	Formithrs/	/ଡkmester 3	For h hrs	/ଷ୍ଟkmester 4	Formithrs	/wskemester 5 Fo	or in trs/	Watemester 6	For hi rs/	Økmester 7	For h hrs/wl
1 2 3 4 5	Chemistry II Chemistry I	VL 2 VL 2 HÜ 1 HÜ 1	Electrical Engineerin Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating Current Networks and Basic Devices Electrical Engineering II: Alternating Current Networks and Basic Devices	VL 3	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II		Mechanical Enginee Design (part 2) Team Project Design Methodology Mechanical Design Project II Fundamentals of Materials Science (p Fundamentals of Materials Science II	PBL2 PBL3	Control Systems	_ 2	Foundations of Management Introduction to Management Management Tu	VL 3	Advanced Internshi GES	p AIW/
9 10 11 12	Electrical Engineering Direct Current Netwo and Electromagnetic Fields Electrical Engineering I: Direct Current Networks and Electromagnetic Fields Electrical Engineering I: Direct Current Networks and Electromagnetic Fields	vl 3	Mechanical Engineering Design	VL 2 HÜ 2	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	UE 1	Advanced Mechanica Engineering Design Advanced Mechanical Engineering Design II Advanced Mechanical Engineering Design II Fluid Dynamics Fluid Mechanics Fluid Mechanics	(part VL 2	Computer Engineering Computer Engineering VI Computer Engineering UI	- 3	Enhanced Fun of Materials S Enhanced Fundamentals: Enhanced Fundamentals: Ceramics and Polymers Enhanced Fundamentals: Ceramics and Polymers	cience VL 2		
13 14 15 16 17 18	Linear Algebra I Linear Algebra I Analysis I Analysis I	VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1	Thermodynamics I Technical Thermodynamics I	HÜ 1	Mechanics III (Hydrostatics, Kinematics, Kinetics Mechanics III Mechanics III Mechanics III	5 I) VL 3 UE 2 HÜ 1	Mechanics IV (Kinet Oscillations, Analyti Mechanics, Multiboo Systems) Mechanics IV Mechanics IV Mechanics IV	al	Technology for Mechanical Engineering Measurement Hu Technology for Mechanical Engineering	ers _ 2	Structural Mar 2) Fundamentals of Mechanical Prop of Materials Fundamentals Production ann Management Production Proc Organization Quality Manage	of VL 2 s of d Quality ess VL 2		
19 20 21 22	Mechanics I (Statics)	VL 2		VL 2	Mechanical Engineer Design (part 1)	ring:	Signals and Systems		Mathematics I	s I - 2 E 2			Bachelor Thesis	

Specialisation Compulsory Focus Compulsory

Compulsory

Thesis Compulsory

23 Mecha Mecha 24		IE 2 IÜ 1	Mechanics II HŮ	Ü2	Embodiment Design VL 2 and 3D-CAD PBL3 Project I Fundamentals of	Signals and Systems U	E 2	Mathematics I	
25			Mathematics II		Materials Science (part 1)			Structural Materials (part	
26 27			Linear Algebra II VL	. 2	Fundamentals of VL 2			1)	
Progra	ramming in C		Linear Algebra II UE	1	Materials Science I			Welding Technology VL 3	
Progra	amming in C V	′L 1	Linear Algebra II HÜ	Ü1	Physical and Chemical VL 2 Basics of Materials				
Progra	amming in C P	R 1	Analysis II VL	. 2	Science				
28			Analysis II HÜ	Ü1					
29 Physic	cs for Engineers		Analysis II UE	1	Advanced Mechanical Engineering Design (part			Material Science Laboratory	
⁸⁰ (AIW)	-				1)			Companion Lecture VL 2	
Physic	s for Engineers V	′L 2			Advanced Mechanical VL 2			for Materials Science	
Physic	s for Engineers	JE 1			Engineering Design I			Laboratory	
					Advanced Mechanical HÜ 2 Engineering Design I			Material Science PR 4 Laboratory	
81									
32									
3									
Nontec	chnical Complemen	tary C	Courses for Bachelors (from	i cata	logue) - 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.