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

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

	ation Mechanical Engine				,,					Specia	alisation Elective	Focus Elective Co	Interdisciplinary	
	emester 1 F	orithirs	Wakemester 2 Fo	orteline/\@	kemester 3	Formetrs/	vsk mester 4	Forietrs	Compulsory Watemester 5 F		Julsory		complement	htrs/w
	hemistry hemistry I V hemistry II V hemistry I H	'L 2 'L 2 IÜ 1	Electrical Engineering VL II: Alternating Current Networks and Basic Devices Electrical Engineering VL II: Alternating Current Networks and Basic Devices Electrical Engineering UE II: Alternating Current Networks and Basic Devices	II: T T T L 3 T T T T	echnical hermodynamics II echnical hermodynamics II echnical hermodynamics II	VL 2 HÜ 1 UE 1	Mechanical Engineer Design (part 2) Team Project Design Methodology Mechanical Design Project II Fundamentals of Materials Science (p Fundamentals of Materials Science II	r ing: PBL2 PBL3	Introduction to Contro Systems Introduction to V Control Systems	ы	Foundations of Management Introduction to Management	ı f VL 3	Advanced Internship All GES	
Di ar Fi Ele 1:1 Ne Ele 2 Ne	lectrical Engineering irect Current Networ nd Electromagnetic ields lectrical Engineering V Direct Current etworks and lectromagnetic Fields lectrical Engineering U Direct Current etworks and lectromagnetic Fields	ks ′L 3	Mechanical Engineering Design	μ 9 Α μ 2 Α Α Α Α Δ Δ Δ Δ Δ 1 Δ 1	nalysis III	VL 2 UE 1 HÜ 1 VL 2 UE 1	Advanced Mechanica Engineering Design 2) Advanced Mechanical Engineering Design II Advanced Mechanical Engineering Design II Fluid Dynamics Fluid Mechanics Fluid Mechanics	(part VL 2	Computer Engineering V Computer Engineering U	/L 3	MED II: Introd Physiology Introduction to Physiology BIO I: Experim Methods in Bio Experimental M in Biomechanics	VL 2 Teental omechanics ethods VL 2		
4 Lir 5 Lir 7 Lir 3 Ar	near Algebra I U near Algebra I H nalysis I V nalysis I U	'L 2 IE 1 IÜ 1 IL 2 IE 1 IÜ 1	Thermodynamics I Technical Hi Thermodynamics I	Ü1 K M E1 M		I) VL 3 UE 2 HÜ 1	Mechanics IV (Kineti Oscillations, Analyti Mechanics, Multiboc Systems) Mechanics IV Mechanics IV Mechanics IV	cs II, cal ly VL 3 UE 2	Technology for Mechanical Engineering Measurement Technology for Mechanical Engineering		Electrical Mac Actuators Electrical Machi and Actuators Electrical Machi and Actuators	nes VL 3		
)) L			Mechanics II: Mechanic of Materials							cs I /L 2			Bachelor Thesis	
2 M	lechanics I (Statics)			L 2 E 2 M	lechanical Engineer	ring:	Signals and Systems		Mathematics I Numerical U	JE 2				

Specialisation Compulsory Focus Compulsory

Compulsory

Thesis Compulsory

23	Mechanics I Mechanics I Mechanics I	VL 2 UE 2 HÜ 1	Mechanics II HÜ 2	Design (part 1) Embodiment Design VL 2 and 3D-CAD Mechanical Design PBL3 Project I	Signals and Systems VL 3 Signals and Systems UE 2	Mathematics I	
24 25 26 27 28	Programming in C Programming in C Programming in C Physics for Engineers Physics for Engineers Physics for Engineers	VL 1 PR 1	Mathematics IILinear Algebra IIVL 2Linear Algebra IIUE 1Linear Algebra IIHÜ 1Analysis IIVL 2Analysis IIHÜ 1	Fundamentals of Materials Science (part 1)Fundamentals of Materials Science IVL2Physical and Chemical Basics of Materials ScienceVL2	MED I: Introduction to Anatomy Introduction to VL 2 Anatomy	MED II: Introduction to Biochemistry and Molecular Biology Introduction to VL 2 Biochemistry and Molecular Biology	
29 30 31		5 VL 2	Analysis II UE 1	Advanced Mechanical Engineering Design (part 1) Advanced Mechanical VL 2 Engineering Design I Advanced Mechanical HÜ 2 Engineering Design I	MED I: Introduction to Radiology and Radiation Therapy Introduction to VL 2 Radiology and Radiation Therapy	BIO I: Implants and Fracture Healing Implants and Fracture VL 2 Healing	
32	Nontechnical Complem	entary (Courses for Bachelors (from cat	alogue) - 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.