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

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

Legend:

	le course plan A Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7)) alisation Mechanical Engineering, Focus Biomechanics								ecialisation Compulsory ecialisation Elective		sory	Thesis Compulsory	
Semester 1	C a state	s/weimester 2	F a whole wa	/wSkemester3 Fo	whet we f	webenester 4	Compulso		Compulsory	volkemester 6	Focus Elective		Interdisciplinary complement
Chemistry I Chemistry I Chemistry I Chemistry I Chemistry II	VL 2 VL 2 HÜ 1 HÜ 1	Electrical Engineerin Alternating Current Networks and Basic Electrical Engineering Alternating Current Networks and Basic Devices Electrical Engineering Alternating Current Networks and Basic Devices	ng II: Devices II: VL 3	Technical Thermodynamic II Technical VL Thermodynamics II VL Technical HÚ Thermodynamics II HÚ	cs _ 2 Ü 1 E 1	Mechanical Engineerin Design (part 2) Team Project Design Methodology Mechanical Design Project II Fundamentals of Mater Science (part 2) Fundamentals of Materials Science II	g: PBL2 TT 3	Computer Engine Computer Engine Computer Engine	teering ering VL 3		ns of Manag n to nt		Advanced Internship GES
Electromagn Electrical Eng Direct Curren and Electrom Fields	nt Networks and etic Fields ineering I: VL 3 t Networks agnetic ineering I: UE 2 t Networks	Design Fundamentals of Mechanical Engineerin	VL 2 ng HÜ 2	Analysis III UE	E 1 Ü 1 - 2 E 1 Ü 1	Advanced Mechanical Engineering Design (p Advanced Mechanical Engineering Design II Advanced Mechanical Engineering Design II Fluid Dynamics Fluid Mechanics Fluid Mechanics	VL 2	Introduction to Systems Introduction to Co Systems Introduction to Co Systems	ontrol VL 2	Physiolog Introduction Physiology BIO I: Exp in Biomec	erimental M hanics al Methods	VL 2	
Mathematics Linear Algebr Linear Algebr Analysis I Analysis I Analysis I	al VL 2 al UE 1	Technical Thermody Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I	ynamics I VL 2 HÜ 1 UE 1	Mechanics III UE	cs, - 3 E 2 Ü 1	Mechanics IV (Kinetics Oscillations, Analytica Mechanics, Multibody Systems) Mechanics IV Mechanics IV Mechanics IV		Measurement Te for Mechanical a Engineers Measurement Technology for Mechanical and F Engineers Measurement Technology for Mechanical and F Engineers Practical Course: Measurement and Control Systems	VL 2 Process HÜ 1 Process PR 2	Electrical M Electrical M Electrical M	lachines	VL 3 HÜ 2	
-		Mechanics II: Mecha Materials Mechanics II	anicsof VL 2	Mechanical Engineering:		Signals and Systems		Numerical Mathe Numerical Mather				1	Bachelor Thesis
Mechanics I Mechanics I	(Statics) VL 2		UE 2	Design (part 1)		Signals and Systems	VL 3	Numerical Mather	matics UE 2				

	Mechanics I HÜ 1		3D-CAD				
			Mechanical Design TT 3				
			Project I				
24	-		-				
	-		Fundamentals of Materials				
25		Mathematics II	Science (part 1)		MED II: Introduction to		
26		Linear Algebra II VL 2	Fundamentals of VL 2		Biochemistry and Molecular		
27	Programming in C	J. J	Materials Science I	MED I: Introduction to	Biology		
		Linear Algebra II UE 1	Physical and Chemical VL 2	Anatomy	Introduction to VL 2		
	Programming in C VL 1	Linear Algebra II HÜ 1	Basics of Materials	-	Biochemistry and		
	Programming in C PR 1	Analysis II VL 2	Science	Introduction to Anatomy VL 2	Molecular Biology		
28	-	Analysis II HÜ 1					
		Analysis II UE 1	Advanced Mechanical		BIO I: Implants and Fracture		
29	Physics for Engineers (AIW)		Engineering Design (part 1)		Healing		
30	Physics for Engineers VL 2		Advanced Mechanical VL 2	MED I: Introduction to	Implants and Fracture VL 2		
	, ,		Engineering Design I	Radiology and Radiation	Healing		
	Physics for Engineers UE 1		Advanced Mechanical HÜ 2	Therapy			
			Engineering Design I	Introduction to VL 2			
0.1				Radiology and Radiation		1	
31				Therapy			
32				.,			
	Nontechnical Complementary C	ourses for Bachelors (from catalogu	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.