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

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

Legend:

Sample	e course plan - Bachelor Gene	eral E	ngineering Science (Germa	n progra	am, 7 semester) (AIWBS(7))			Legend:							
	lisation Biomedical Engineering		0 0 (ification Compulsory	Specialisation Co		Focus Compuls	ory	Thesis Compulsory	
-	_	-						Core quali Compulso	fication Elective bry	Specialisation Ele Compulsory	ctive	Focus Elective	Compulsory	Interdisciplinary comple	ement
.P	Semester 1 Fo	orminalins/	Webernester 2	FormHrs/	Wokemester 3 Fo	ormHirs/	Webernester 4	FormHrs	/wSkemester 5	Forminirs	Wolkemester 6	3	FormHrs/wSka	mester 7	FormHrs/v
2 3 4 5	Chemistry II VL Chemistry I HU	- 2 - 2 Ü 1 Ü 1	Electrical Engineering II Alternating Current Networks and Basic Dev Electrical Engineering II: M Alternating Current Networks and Basic Devices Electrical Engineering II: M Alternating Current Networks and Basic Devices	VL 3	Thermodynamics II Technical HU Thermodynamics II		о ,		Introduction to Co Systems Introduction to Co Systems Introduction to Co Systems	ontrol VL 2	Foundatic Introduction Manageme Manageme	n to nt	yement Ad VL 3	lvanced Internship	GES
7 8 9 10 11 12	Electrical Engineering I: Direct Current Networks a Electromagnetic Fields Electrical Engineering I: VL Direct Current Networks and Electromagnetic Fields Electrical Engineering I: UE Direct Current Networks and Electromagnetic Fields	- 3	Mechanical Engineering Design	nical VL 2 HÜ 2	Analysis III UE Analysis III HÜ		Fluid Dynamics Fluid Mechanics Fluid Mechanics	VL 3 HÜ 2	Mechanical Eng Design (part 1) Embodiment Des 3D-CAD Mechanical Desig Project 1 Numerical Mather I Numerical Mather	ign and VL 2 yn PBL3 ematics I matics VL 2	Design (pa Team Proje Methodolog Mechanica Project II Introducti Technolog	ect Design ay I Design on into Med gy and Systen n into Medica	PBL2 PBL3 ical ms		
13 14 15 16 17 18	Linear Algebra I UE Linear Algebra I HÜ	Ü 1 - 2 E 1	Thermodynamics I Technical I Thermodynamics I	nics I VL 2 HÜ 1 UE 1	Mechanics III UE	cs, - 3 Ξ 2 IJ 1			Heat Transfer Heat Transfer Heat Transfer	VL 3 HÜ 2	Technology Systems Introduction Technology Systems	n into Medica / and troduction to y	I HÜ 1		
20 21	Mechanics I (Statics)		Mechanics II: Mechanics Materials Mechanics II		Computer Engineering		MED I: Introduction to				in Biomec	hanics al Methods	ethods Ba	chelor Thesis	
22 23 24 25		- 2 E 2 Ü 1	Mechanics II I		Computer Engineering VL Computer Engineering UE		Anatomy Introduction to Anatomy MED I: Introduction to Radiology and Radiatio		Measurement Te for Mechanical a Engineers Measurement		in Biomech	anics			
			Mathematics II												
26			Linear Algebra II	VL 2			Therapy		Technology for						

27 28 29 30	Programming in C VL 1 Programming in C PR 1 Programming in C PR 1 Physics for Engineers VL 2 Physics for Engineers VL 2 Physics for Engineers UE 1	Linear Algebra II UE 1 Linear Algebra II HÜ 1 Analysis II VL 2 Analysis II HÜ 1 Analysis II UE 1	Fundamentals of Materials Science (part 1) Fundamentals of VL 2 Materials Science I Physical and Chemical VL 2 Basics of Materials Science	Introduction to VL 2 Radiology and Radiation Therapy	Mechanical and Process Engineers Measurement HÜ 1 Technology for Mechanical and Process Engineers Practical Course: PR 2 Measurement and Control Systems MED II: Introduction to Biochemistry and Molecular Biology Introduction to VL 2 Biochemistry and Molecular Biology	
31	_				BIO I: Implants and Fracture	
32					Healing	
33					Implants and Fracture VL 2 Healing	

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.