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

Sample course plan A Bachelor General Engineering Science (English program, 7 semester) (GESBS(7))

Legend:

Semester Chemistry Chemistry Chemistry Chemistry	r y (GES) y I y II	FormHrs/	Wokemester 2	Formelrs				Compulso	ification Elective	Specialisation Ele Compulsory	.01170	Focus Elective	Compulsory	Interdisciplinary complement
Chemistry Chemistry Chemistry Chemistry	r y (GES) y I y II	FormHrs	Weenester 2	Formers										
Chemistry Chemistry Chemistry	y I y II			I OTMITO	/wSkemester 3	FormHrs	/wSkemester 4	FormHrs	/wSkemester 5	FormHrs	/wSkemester (6	FormHrs/v	Skemester7 FormH
_		VL 2 VL 2 HÜ 1 HÜ 1	Fundamentals of Mech Engineering Design Fundamentals of Mechanical Engineering Design Fundamentals of Mechanical Engineering Design	VL 2	Technical Thermodyn II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II		Mechanical Engineerin Design (part 2) Team Project Design Methodology Mechanical Design Project II Fundamentals of Mate Science (part 2) Fundamentals of Materials Science II	PBL2 TT 3	Computer Engine Computer Engine Computer Engine	ering VL 3	Foundatic Introductio Manageme Manageme	nt	gement /	Advanced Internship GES
Linear Alge Linear Alge Linear Alge	gebra gebra	VL 4 HÜ 2 UE 2	Technical Thermodyna Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I	amics I VL 2 HÜ 1 UE 1	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	UE 1	Advanced Mechanical Engineering Design (r 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 Introductio Physiology BIO I: Exp in Biomed	erimental Mo hanics tal Methods	VL 2	
Electrical E	I Engineering I Engineering I Engineering I	VL 3	Mathematical Analysis Mathematical Analysis Mathematical Analysis Mathematical Analysis	VL 4 HÜ 2 UE 2	Mechanics III (GES) Mechanics III Mechanics III Mechanics III	HÜ 1 UE 2 VL 3	Mechanics IV (Kinetic: Oscillations, Analytica Mechanics, Multibody Systems) Mechanics IV Mechanics IV Mechanics IV	al	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	lachines	VL 3 HÜ 2	
Mechanic Mechanics	es l	VL 2 HÜ 3	Electrical Engineering Electrical Engineering II Electrical Engineering II	VL 3	Mechanical Engineeri Design (part 1)	Ū	Signals and Systems Signals and Systems	VL 3 HÜ 1	Numerical Mathe Numerical Mathe I Numerical Mather I	matics VL 2				Bachelor Thesis

Program	amming in C mming in C VL 1 mming in C PR 1	Mechanics II (GES)Mechanics IIVL 2Mechanics IIHÜ 2	3D-CAD Mechanical Design TT 3 Project I Fundamentals of Materials Science (part 1) Fundamentals of VL 2 Materials Science I Physical and Chemical VL 2 Basics of Materials Science	MED I: Introduction to Anatomy Introduction to Anatomy VL 2	MED II: Introduction to Biochemistry and Molecular Biology Introduction to VL 2 Biochemistry and Molecular Biology	
28 29 Physic	cs for Engineers (GES)		Advanced Mechanical Engineering Design (part 1)		BIO I: Implants and Fracture Healing	
	s for Engineers VL 2 s for Engineers UE 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	Implants and Fracture VL 2 Healing	
31 32	haired Complementary Co	urses for Bachelors (from catalog		Radiology and Radiation Therapy		

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