## **Course of Study Energy and Environmental Engineering (Study Cohort** w17) Legend:

Core qualification Compulsory

Specialisation Compulsory Focus Compulsory

Thesis Compulsory

mpl	le course plan A Bachelor En	ergy and	l Environmental Engineering	(EUTBS)				ore qualification Ele ompulsory	Ctive Specialisation Elective Compulsory	Focus Elec		disciplinary plement	
)	Semester 1	Formins/	væmester 2	Formirs/	Memester 3	Formirs/	weenester 4	Formirs,	væemester 5	Formirs	/weemester 6		Form <b>H</b> rs/v
	Engineering Mechanics I Engineering Mechanics I	VL 3	Engineering Mechanics I Engineering Mechanics II		Mechanical Engineering: Design (part 1)		Fundamentals of Mechanics	Fluid	Heat and Mass Transfe Heat and Mass Transfer	r VL 2	Environmental (part 2)	Technolo	gy
		UE 2	Engineering Mechanics II		Embodiment Design and 3D-CAD	VL 2	Fundamentals of Flu Mechanics	iid VL 2	Heat and Mass Transfer	UE 1	Practical Exercise Environmental Te		PR 1
	-				Mechanical Design Project I	PBL 3	Fluid Mechanics for Process Engineering	HÜ 2	Heat and Mass Transfer	HÜ 1	Renewables an Systems	d Energy	
					Basics of Electrical Engineering						Renewable Energ		VL 2
					Basics of Electrical Engineering	VL 3					Energy Systems Energy Industry	and	VL 2
	Mathematics I		Fundamentals of Mechai	nical		115 2	Electrical Machine	25	Thermal Separation Pro		Power Industry		VL 1
	Linear Algebra I	VL 2	Engineering Design		Basics of Electrical Engineering	UE 2	Electrical Machines	VL 3	Thermal Separation	VL 2	Renewable Energ	ЭУ	UE 1
	Linear Algebra IUE1Linear Algebra IHÜ1		Fundamentals of Mechanical Engineering Design	VL 2			Electrical Machines	Th		UE 2	Particle Technology and Solids Process Engineering		ng
	Analysis I	VL 2	Fundamentals of	HÜ 2	Technical Thermodynam	ics II			Processes		Particle Technolo	ogy I	VL 2
	Analysis I	UE 1	Mechanical Engineering		Technical	VL 2			Thermal Separation Processes	HÜ 1	Particle Technolo	ay I	UE 1
	Analysis I	HÜ 1	Design		Thermodynamics II	ΗÜ 1			Separation Processes	PR 1	Particle Technolo	ogy I	PR 2
	-		Technical Thermodynam	ics I	Technical Thermodynamics II		Foundations of Ma	anagement	Gas and Steam Power I	Plants	]		
			Technical	VL 2	Technical	UE 1	Introduction to	VL 3	Gas and Steam Power	VL 3	Environmental	Technolo	gy
	General and Inorganic		Thermodynamics I		Thermodynamics II		Management		Plants		Environmental		VL 2
	Chemistry		Technical Thermodynamics I	HÜ 1	Mathematics III		Management Tutoria	al HÜ2	Gas and Steam Power Plants	HÜ 1	Assessment		
	Fundamentals in Inorganic Chemistry	VL 4	Technical	UE 1	Analysis III	VL 2			FIGHES		Environmental Assessment		UE 1
	Fundamentals in Inorganic Chemistry	PR 3	Thermodynamics I		Analysis III Analysis III	UE 1 HÜ 1					Bachelor Thesis	s	
	-		Mathematics II		Differential Equations 1	VL 2	Informatics for Pr	00055	Introduction to Control				
			Linear Algebra II	VL 2	Differential Equations 1	UE 1	Engineers	00035	Systems				
	Introduction into Energy	and	Linear Algebra II	UE 1	Differential Equations 1	HÜ 1	Numeric and Matlab	PR 2	Introduction to Control	VL 2			
	Environmental Engineer		Linear Algebra II	ΟΕ Ι ΗÜ 1			Informatics for Proce	ess VL 2	Systems				
	Introduction to Energy and	PBL 4	Analysis II	VL 2			Engineers		Introduction to Control	UE 2			
	Environmental			VL Z HÜ 1	Fundamentals of Materia	als	Informatics for Proce	ess UE 2	Systems				
	Engineering		Analysis II		Science (part 1)		Engineers						
	Physics-Lab for VT/ BVT/ PR 2 EUT		Analysis II	UE 1	Fundamentals of Materials VL Science I		Mechanical Engine Design (part 2)	eering:	Measurement Technology for Mechanical and Process				
	0		Organic Chemistry		Physical and Chemical VL 2		Team Project Design	n PBL 2	Engineers				
					Basics of Materials Science		Methodology		Measurement Technology	VL 2			
			Organic Chemistry Organic Chemistry	VL 4 PR 3			Mechanical Design F	Project PBL 3	for Mechanical and Proces Engineers	iS			
							П		Measurement Technology	HÜ 1			

		Fundamentals of MaterialsScience (part 2)Fundamentals of MaterialsVLScience II	for Mechanical and Process Engineers Practical Course: PR 2 Measurement and Control Systems
			Environmental Technology
			(part 1)
			Environmental VL 2 Technologie
Nontechnical Complementary Courses for Bachelors (fr	m catalogue) - 6l P		

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