

Exclosure to Subject Specific Regulations from 25.07.2018
for Bachelor-Programme Energie- und Umwelttechnik
at TUHH
Programme Director: Prof. Kather, Prof. Heinrich
Total: 180 CP
Number of Specialisations to choose: 0

**Course Scheme Bachelor
Energy and Environmental Engineering
(EUTBS)**

Consolidated Version
for Study Cohort: WiSe 16/17
according to Decision of Academic Senate:
25.07.2018
and Approval of Chair from: 22.08.2018
Replaces Version from: 23.03.2016
In Force on: 01.10.2018
Out of Force on: 31.03.2021

Information regarding the lectures are available in the TUHH modul manuals as well as in the course catalogue.

Re com. Term	Module Name (German / English)	Module					Exami nation		
		Language	Module Responsibility	Institute	C/EC (1)	CM/ OM (2)	CP (4)	Grade	Exami nation Form(3)
Core qualification Compulsory Courses: 168 LP Optional Courses: 0 LP									
1	Allgemeine und Anorganische Chemie / General and Inorganic Chemistry	DE	Prof. Luinstra	0-UNIHH	C	CM	6	Y	KL
1	Einführung in die Energie- und Umwelttechnik / Introduction into Energy and Environmental Engineering	DE / EN	Prof. Kather	M-5	C	CM	6	Y	KL
1	Mathematik I / Mathematics I	DE	Prof. Taraz	E-10	C	CM	8	Y	KL
1	Technische Mechanik I / Engineering Mechanics I	DE	Prof. Weltin	M-24	C	CM	6	Y	KL
2	Grundlagen der Konstruktionslehre / Fundamentals of Mechanical Engineering Design	DE	Prof. Krause	M-17	C	CM	6	Y	KL
2	Mathematik II / Mathematics II	DE	Prof. Taraz	E-10	C	CM	8	Y	KL
2	Organische Chemie / Organic Chemistry	DE	Prof. Theato	0-UNIHH	C	CM	6	Y	KL
2	Technische Mechanik II / Engineering Mechanics II	DE	Prof. Weltin	M-24	C	CM	6	Y	KL
2	Technische Thermodynamik I / Technical Thermodynamics I	DE	Prof. Schmitz	M-21	C	CM	6	Y	KL
3	Grundlagen der Elektrotechnik / Basics of Electrical Engineering	DE	NN	M-4	C	CM	6	Y	KL
3	Mathematik III / Mathematics III	DE	Prof. Taraz	0-UNIHH	C	CM	8	Y	KL
3	Technische Thermodynamik II / Technical Thermodynamics II	DE	Prof. Schmitz	M-21	C	CM	6	Y	KL
3-4	Grundlagen der Werkstoffwissenschaften / Fundamentals of Materials Science	DE	Prof. Weißmüller	M-22	C	CM	6	Y	KL

		Module					Examination		
Re com. Term	Module Name (German / English)	Language	Module Responsibility	Institute	C/EC (1)	CM/OM (2)	CP (4)	Grade	Examination Form(3)
3-4	Konstruktionslehre Gestalten / Mechanical Engineering: Design	DE	Prof. Krause	M-17	C	CM	6	Y	KL
4	Elektrische Maschinen / Electrical Machines	DE	NN	M-4	C	CM	6	Y	KL
4	Grundlagen der Betriebswirtschaftslehre / Foundations of Management	DE	Prof. Ihl	W-11	C	CM	6	Y	FFA
4	Grundlagen der Strömungsmechanik / Fundamentals of Fluid Mechanics	DE	Prof. Schlüter	V-5	C	CM	6	Y	KL
4	Informatik für Verfahreningenieure / Informatics for Process Engineers	DE	Dr. Venzke	E-17	C	CM	6	Y	KL
5	Grundlagen der Regelungstechnik / Introduction to Control Systems	DE	Prof. Werner	E-14	C	CM	6	Y	KL
5	Messtechnik für Maschinenbau- und Verfahreningenieure / Measurement Technology for Mechanical and Process Engineers	DE	Dr. Krause	M-4	C	CM	6	Y	KL
5	Wärme- und Stoffübertragung / Heat and Mass Transfer	DE	Prof. Smirnova	V-8	C	CM	6	Y	KL
5	Wärmekraftwerke / Gas and Steam Power Plants	DE	Prof. Kather	M-5	C	CM	6	Y	KL
5-6	Thermische Grundoperationen / Thermal Separation Processes	DE / EN	Prof. Smirnova	V-8	C	CM	6	Y	KL
5-6	Umwelttechnik / Environmental Technology	DE	Dr. Gerth	V-9	C	CM	3	Y	KL
6	Partikeltechnologie und Feststoffverfahrenstechnik I / Particle Technology and Solids Process Engineering	DE / EN	Prof. Heinrich	V-3	C	CM	6	Y	KL
6	Regenerative Energiesysteme und Energiewirtschaft / Renewables and Energy Systems	DE / EN	Prof. Kaltschmitt	V-9	C	CM	6	Y	KL
6	Umweltbewertung / Environmental Technology	DE / EN	Prof. Kaltschmitt	V-9	C	CM	3	Y	KL
1-6	Nichttechnische Ergänzungskurse im Bachelor / Nontechnical Complementary Courses for Bachelors	DE / EN	Richter	0-TUHH	C	OM	6	Selection out of seperatly published Catalogue	
Thesis Compulsory Courses: 12 LP Optional Courses: 0 LP									
6	Bachelorarbeit / Bachelor Thesis		Professoren der TUHH	0-TUHH	C	CM	12	Y	AB

Explanation:

¹C=Compulsory, EC=Elective Compulsory

²CM=Compulsory Defined Module, OM=Optional Defined Module

³KL=Written exam, SA=Written elaboration, FFA=Subject theoretical and practical work, FFST=Subject theoretical and practical work, RE=Presentation, ÜA=Excercises, AB=Thesis, TE=Attestation

⁴CP=Credit Points

⁵VL=Lecture, SE=Seminar, UE=Recitation Section (small), PBL=Project-/problem-based Learning, PR=Practical Course, TT=Practical Course, HÜ=Recitation Section (large)

⁶DE=German, EN=English, DE/EN=German and English

⁷SWS=Contact hours