

Exclosure to Subject Specific Regulations from 25.07.2018
 for Bachelor-Programme Bioverfahrenstechnik
 at TUHH
 Programme Director: Prof. An-Ping Zeng
 Total: 180 CP
 Number of Specialisations to choose: 0

**Course Scheme Bachelor
 Bioprocess Engineering
 (BVTBS)**

Consolidated Version
 for Study Cohort: WiSe17/18
 according to Decision of Academic Senate: 25.07.2018
 and Approval of Chair from: 22.08.2018
 Replaces Version from: 26.04.2017
 In Force on: 01.10.2018
 Out of Force on: 31.03.2022

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: 165 LP Optional Courses: 3 LP										
1	Allgemeine und Anorganische Chemie / General and Inorganic Chemistry	DE	Prof. Luinstra	0-UNIHH	C	CM	6	Y	KL	
1	Grundlagen der Verfahrenstechnik / Fundamentals of Process Engineering	DE	Prof. Schlüter	V-5	C	CM	3	Y	KL	
1	Mathematik I / Mathematics I	DE	Prof. Taraz	E-10	C	CM	8	Y	KL	
1	Physik / Physics	DE / EN	Prof. Hansen	0-UNIHH	C	CM	6	Y	KL	
1	Technische Mechanik I / Engineering Mechanics I	DE	Prof. Weltin	M-24	C	CM	6	Y	KL	
1	Grundlagen des Technischen Zeichnens / Fundamentals of technical drawing	DE	Dr. Hoffmann	V-5	EC	CM	3	Y	KL	
2	Biochemie und Mikrobiologie / Biochemistry and Microbiology	DE	Dr. Bubenheim	V-6	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	Dr. Neffe	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	Prof. Do	M-4	C	CM	6	Y	KL	
3	Mathematik III / Mathematics III	DE	Prof. Taraz	0-UNIHH	C	CM	8	Y	KL	
3	Molekularbiologische Grundlagen / Fundamentals in Molecular Biology	DE	Dr. Schäfers	V-7	C	CM	6	Y	KL	
3	Technische Thermodynamik II / Technical Thermodynamics II	DE	Prof. Schmitz	M-21	C	CM	6	Y	KL	
3	Physikalische Chemie / Physical Chemistry	DE	Prof. Moritz	0-UNIHH	EC	CM	3	Y	KL	
4	Bioverfahrenstechnik - Grundlagen / Bioprocess Engineering - Fundamentals	DE	Prof. Liese	V-6	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	
4	Phasengleichgewichtsthermodynamik / Phase Equilibria Thermodynamics	DE	Prof. Smimova	V-8	C	CM	6	Y	KL	
4	Umweltbewertung / Environmental Technology	DE / EN	Prof. Kaltschmitt	V-9	EC	CM	3	Y	KL	
5	Bioverfahrenstechnik - Vertiefung / Bioprocess Engineering - Advanced	DE	Prof. Zeng	V-1	C	CM	6	Y	KL	
5	Chemische Reaktionstechnik / Chemical Reaction Engineering	DE / EN	Prof. Horn	V-2	C	CM	6	Y	KL	
5	Grundlagen der Regelungstechnik / Introduction to Control Systems	DE	Prof. Wemer	E-14	C	CM	6	Y	KL	
5	Thermische Grundoperationen / Thermal Separation Processes	DE / EN	Prof. Smimova	V-8	C	CM	6	Y	KL	
5	Wärme- und Stoffübertragung / Heat and Mass Transfer	DE	Prof. Smimova	V-8	C	CM	6	Y	KL	
5	Umwelttechnik / Environmental Technology	DE	Dr. Gerth	V-9	EC	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	Prozess- und Anlagentechnik I / Process and Plant Engineering I	DE	Prof. Fieg	V-4	C	CM	6	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		

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)	
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, MT=Midterm, SA=Written elaboration, FFST=Subject theoretical and practical work, FFA=Subject theoretical and practical work, MP=Oral exam, RE=Presentation, AB=Thesis

⁴CP=Credit Points

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

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

⁷SWS=Contact hours