Chemistr	v BSc													
Matriculation Fall 219														
Matriculation Fa						_	1	_		_				
	Program-Specific Modules	Type	Assessment	Period	Status <sup>1</sup>	Sem.	CP		Jacobs Track Modules (General Education)	Type	Assessment	Period	Status <sup>1</sup>	Sem. CP
Year 1 - CHOIC							45							15
Take the mandatory	CHOICE modules listed below. This is a requirement for the Chemistry p	rogram. <sup>2</sup>						_	Unit: Methods / Skills					10
CH-120	Unit: Chemistry and Biotechnology (default minor)						7.5	JTMS-MAT-07						10
CH-120-A	Module: General and Inorganic Chemistry (default minor) General and Inorganic Chemistry	Lecture	Written examination	Examination period	m	i	5	JTMS-07	Mathematical Concepts for the Sciences	Lecture	Written examination	Examination period	m	5
CH-120-B	General and Inorganic Chemistry Lab	Lab	Lab report	During the semester			2.5							-
CH-121	Module: Introduction to Biotechnology (default minor)				m	2	7.5		Module: Physics for the Natural Sciences				m	2 5
CH-121-A CH-121-B	Introduction to Biotechnology Biotechnology Lab	Lecture Lab	Written examination Written examination	Examination period Examination period			5 2.5	JTMS-17	Physics for the Natural Sciences	Lecture	Written examination	Examination period		5
CH-121-B	Unit: Mixed unit (BCCB and MCCB)	Lau	WITHEIT EXAMINATION	Examination period			2.3		Unit: Language				m	5
CH-100	Module: General Biochemistry				m	1	7.5		German is default language. Native German speakers take modules in another off	ered language.				5
CH-100-A	General Biochemistry	Lecture	Written examination	Examination period			5	JTLA-xxx	Module: Language 1				m	1 2.5
CH-100-B	General Biochemistry Lab	Lab	Lab report	During the semester			2.5	JTLA-xxx	Language 1	Seminar	Various	Various	me	
CH-111	Module: General Organic Chemistry		W-i	Ensemble and A	m	2	7.5	JTLA-xxx	Module: Language 2	o :	17	17i	m	2 2.5
CH-111-A CH-111-B	General Organic Chemistry General Organic Chemistry Lab	Lecture Lab	Written examination Lab report	Examination period During the semester			5 2.5	JTLA-xxx	Language 2	Seminar	Various	Various	me	
	Unit: CHOICE (own selection)					1/2	15							
Take two further CH	OICE modules from those offered for all other study programs.2													
Year 2 - CORE							45							15
Take all modules list	ed below or replace mandatory elective ("me") CORE/Methods modules (	15 CP) by suite	able CORE modules from o	other study programs. 2			45							15
	Unit: Inorganic and Physical Chemistry and Industrial Biotechnol	ogy							Unit: Methods / Skills					10
CO-440	Module: Physical Chemistry (default minor)				m	3+4	5	JTMS-SCI-16	Module: Analytical Methods				m	3 5
CO-440-A	Physical Chemistry I	Lecture	Written examination /	Examination period	_	3	2.5	JTMS-16	Analytical Methods	Lecture	Written examination	Examination period		
CO-440-B	Physical Chemistry II	Lecture	presentation	During the semester		4	2.5	JTMS-SCI-18	Module: Plant Metabolites and Natural Products				me <sup>3</sup>	4 5
CO-441 CO-441-A	Module: Industrial Biotechnology (default minor) Industrial Biotechnology	Lecture	Written examination	Ensemble and A	m	3	5	JTMS-18	Plant Metabolites and Natural Products	Lecture	Written examination	Examination period		
CO-441-A	Module: Advanced Inorganic Chemistry (default minor)	Lecture	written examination	Examination period	m	4	5							
CO-442-A	Advanced Inorganic Chemistry	Lecture	Written examination	Examination period					Unit: Language				m	5
	Unit: Organic and Analytical Chemistry (shared with MCCB)								German is default language. Native German speakers take modules in another off	ered language.				
CO-423	Module: Advanced Organic Chemistry				m	3	5	JTLA-xxx	Module: Language 3				m	3 2.5
CO-423-A	Advanced Organic Chemistry	Lecture	Written examination	Examination period				JTLA-xxx	Language 3	Seminar	Various	Various	me	
CO-443	Module: Scientific Software and Databanks				me <sup>3</sup>	4	5	JTLA-xxx	Module: Language 4				m	4 2.5
CO-443-A CO-424	Scientific Software and Databanks  Module: Advanced Organic and Analytical Chemistry Lab	Seminar	Reports	During the semester		-		JTLA-xxx	Language 4	Seminar	Various	Various	me	
CO-424-A	Advanced Organic And Analytical Chemistry Lab	Lab	Lab report	During the semester	m	3	5 2.5							
CO-424-R CO-424-B	Analytical Chemistry Lab	Lab	Lab report	During the semester			2.5							
	Unit: Advanced Chemistry and Biotechnology													
CO-444	Module: Bioprocess Engineering				m	4	5							
CO-444-A	Bioprocess Engineering	Lecture	Written examination	Examination period										
CO-445-A	Module: Advanced Biotechnology Lab  Advanced Biotechnology Lab	Lab	Lab Report	During the semester	m <sup>4</sup>	3	5							
CO-445-A	Module: Inorganic and Physical Chemistry Lab	Lab	гав кероп	During the semester	m	4	5							
CO-446-A	Inorganic Chemistry Lab	Lab	Lab Report	During the semester			2.5							
CO-446-B	Physical Chemistry Lab	Lab	Lab Report	During the semester			2.5							
Year 3 - CAREER 45														15
CA-INT-900	Module: Internship / Startup and Career Skills				m	4/5	15		Unit: Big Questions					10
			Report/Business Plan											
CA-INT-9000	Internship / Startup and Career Skills		and Presentation	During the 5 <sup>th</sup> semester			15	JTBQ-BQ-003	Module: Ethics in the Sciences and Technology				m	5 5
CA-CBT-800	Module: Thesis / Seminar				m	6	15	JTBQ-003	Module: Ethics in the Sciences and Technology		Written examination /	Examination period	m	5
				Α.		-			<del></del>	Lecture	presentation	-		
CA-CBT-800-T	Thesis Chemistry	Thesis	Project/Thesis	15 <sup>th</sup> of May			12	Take a total of 5 CP	of further Big Questions modules (each 2.5 or 5 CP) as mandatory elective	Various	Various	Various	me	5
CA-CBT-800-S	Seminar Chemistry  Unit: Specialization Chemistry (at least one specialization module from	Seminar om Biotechnolo	Presentation (Presentation (Pr	During the semester	m		3 15	JTCI-CI-950	Unit: Community Impact Project  Module: Community Impact Project				m	5 5
d 15 CP of specializa		Diocenhoic	'hJ/				13	JTCI-950	Community Impact Project	Project	Project	Examination period		
CA-S-CBT-801	Specialization Module:				me	5	5			,				
CA-CBT-801	Chemical and Pharmaceutical Technology	Lecture	Written examination	Examination period			3							
CA-S-CBT-802	Specialization Module:				me	5	5							
CA-CBT-802	Organometallic Chemistry	Lecture	Oral examination	Examination period										
CA-S-CBT-804	Specialization Module:				me	5	5							
CA-CBT-804	Environmental Microbiology and Biotechnology	Lecture	Written examination	Examination period										
Specialization electives from MCCB, EES and BCCB (see study program handbook for further information) me 5/6 57/.5														
Total CP														180

Total CP

1 Status (m = mandatory, me = mandatory elective)

2 For a full listing of all CHOICE / CORE / CAREER / Jacobs Track modules please consult the CampusNet online catalogue and /or the study program handbooks.

3 Module can be replaced with a CORE module from another study program in order to pursue a minor