Chamist	u and Distachasla on DCs													
	y and Biotechnology BSc													
Matriculation Fa								_						
	Program-Specific Modules	Type	Assessment	Period	Status ¹	Sem.	CP		Jacobs Track Modules (General Education)	Type	Assessment	Period	Status ¹	Sem. CI
Year 1 - CHOIC	CHOICE modules listed below. This is a requirement for the CBT progra	2					45							15
Take the manaatory	Unit: Chemistry and Biotechnology (default minor)	m.							Unit: Methods / Skills					10
CH-120	Module: General and Inorganic Chemistry (default minor)				m	1	7.5	JTMS-MAT-07	Module: Mathematical Concepts for the Sciences				m	1 5
CH-120-A	General and Inorganic Chemistry	Lecture	Written examination	Examination period			5	JTMS-07	Mathematical Concepts for the Sciences	Lecture	Written examination	Examination period		5
CH-120-B CH-121	General and Inorganic Chemistry Lab Module: Introduction to Biotechnology: Microbiology and Genetic	Lab	Lab report	During the semester	m	2	2.5 7.5	ITMS-SCI-17	Module: Physics for the Natural Sciences				m	2 5
CH-121-A	Introduction to Biotechnology	Lecture	Written examination	Examination period			5	JTMS-17	Physics for the Natural Sciences	Lecture	Written examination	Examination period		5
CH-121-B	Biotechnology Lab	Lab	Lab report	During the semester			2.5							
	Unit: Mixed unit (BCCB and MCCB)								Unit: Language				m	5
CH-100 CH-100-A	Module: General Biochemistry General Biochemistry	Lecture	Written examination	Examination period	m	1	7.5	JTLA-xxx	German is default language. Native German speakers take modules in another of Module: Language 1	offered language.			m	1 2.5
CH-100-A 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				m	2	7.5	JTLA-xxx	Module: Language 2				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	
СП-111-Б	Unit: CHOICE (own selection)	Lato	Lab report	During the semester		1/2	15							
Take two further CH	OICE modules from those offered for all other study programs.2													
	7.0													
Year 2 - CORE							45							15
Take all modules list	ed below or replace mandatory elective ("me") CORE/Methods modules (ible CORE modules from oth	her study programs. ²										10
	Unit: Inorganic and Physical Chemistry and Industrial Biotechnol	logy							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 CO-440-B	Physical Chemistry II Physical Chemistry II	Lecture Lecture	Written examination / presentation	Examination period During the semester	-	3	2.5	JTMS-16	Analytical Methods Module: Plant Metabolites and Natural Products	Lecture	Written examination	Examination period	3	4 5
CO-441	Module: Industrial Biotechnology (default minor)	Lecture	presentation	During the semester	m	3	5	JTMS-18	Plant Metabolites and Natural Products	Lecture	Written examination	Examination period	me	, ,
CO-441-A	Industrial Biotechnology	Lecture	Written examination	Examination period								•		
CO-442	Module: Advanced Inorganic Chemistry (default minor)	T	**************************************		m	4	5		Y1 1/2 Y					
CO-442-A	Advanced Inorganic Chemistry Unit: Organic and Analytical Chemistry (shared with MCCB)	Lecture	Written examination	Examination period					Unit: Language German is default language. Native German speakers take modules in another of	offered Janouage			m	
CO-423	Module: Advanced Organic Chemistry				m	3	- 5	JTLA-xxx	Module: Language 3	лістса тапдаадс.			m	3 2.5
CO-423-A	Advanced Organic Chemistry	Lecture	Written examination	Examination period		3	- 3	JTLA-xxx	Language 3	Seminar	Various	Various	me	
CO-443	Module: Scientific Software and Databanks				me ³	4	5	JTLA-xxx	Module: Language 4				m	4 2.5
CO-443-A	Scientific Software and Databanks	Seminar	Reports	During the semester				JTLA-xxx	Language 4	Seminar	Various	Various	me	
CO-424 CO-424-A	Module: Advanced Organic and Analytical Chemistry Lab Advanced Organic Chemistry Lab	Lab	T ob some or a	Desire the consense	m	3	5 2.5							
CO-424-A CO-424-B	Analytical Chemistry Lab	Lab	Lab report Lab report	During the semester During the semester			2.5							
	Unit: Advanced Chemistry and Biotechnology													
CO-444	Module: Bioprocess Engineering				m	4	5							
CO-444-A CO-445	Bioprocess Engineering Module: Advanced Biotechnology Lab	Lecture	Written examination	Examination period	- 4	•	5							
CO-445-A	Advanced Biotechnology Lab	Lab	Lab Report	During the semester	m'	3								
CO-446	Module: Inorganic and Physical Chemistry Lab				m	4	5							
CO-446-A CO-446-B	Inorganic Chemistry Lab Physical Chemistry Lab	Lab Lab	Lab Report	During the semester			2.5 2.5							
Year 3 - CAREI		Lab	Lab Report	During the semester										
Teal 3 - CARE	SR .						45							15
CA-INT-900	Module: Internship / Startup and Career Skills				m				Unit: Big Questions					10
			Report and Presentation			4/5	15							
CA-INT-9000	Internship / Startup and Career Skills		(Business Plan)	During the 5 th semester			15	JTBQ-BQ-003	Module: Ethics in the Sciences and Technology				m	5 5
CA-CBT-800	Module: Thesis / Seminar CBT				m	6	15	JTBQ-003	Module: Ethics in the Sciences and Technology	Lecture	Written examination / presentation	Examination period	m	5
CA-CBT-800-T	Thesis CBT	Thesis	Project/Thesis	15 th of May		U	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 CBT	Seminar	Presentation	During the semester			3		Unit: Community Impact Project					5
	Unit: Specialization CBT (at least one specialization module from Bi	otechnology)		•	m		15	JTCI-CI-950	Module: Community Impact Project					5 5
d 15 CP of specializat								JTCI-950	Community Impact Project	Project	Project	Examination period		
CA-S-CBT-801	Specialization Module:				me	5	5							
CA-CBT-801 CA-S-CBT-802	Chemical and Pharmaceutical Technology	Lecture	Written examination	Examination period		_	-							
CA-S-CBT-802 CA-CBT-802	Specialization Module: Organometallic Chemistry	Lecture	Oral examination	Examination period	me	5	5							
CA-CBT-804	Specialization Module:	Lecture	Orai examination	ьланинацоп репод	me	5	5							
CA-CBT-804	Environmental Microbiology and Biotechnology	Lecture	Written examination	Examination period			<u>, </u>							
Specialization electi	ves from MCCB, EES and BCCB (see study program handbook for t	further informa	ation)		me	5/6	5/7.5							
Total CP														180
							_							

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

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