

BSc Chemistry and Biotechnology (180 CP)

	CHOICE / CORE / CAREER 3 x 45 = 135 CP						CONSTRUCTOR Track 45 CP	
3 rd Year CAREER	Bachelor Thesis / Seminar m, 15 CP			Summer Internship / Start-Up (after 2 nd year) m, 15 CP			New Skills / Methods Modules me, 5 CP	New Skills Modules
	Specialization I me, 5 CP	Specialization II me, 5 CP	Specialization III me, 5 CP					
2 nd Year CORE	Advanced Inorganic Chemistry m, 5 CP	Physical Chemistry m, 5 CP	Scientific Software and Databases ¹ me, 5 CP	Bioprocess Engineering m, 5 CP	Inorganic and Physical Chemistry Lab m, 5 CP	Plant Metabolism and Natural Products m, 5 CP	me, 15 CP	
	Industrial Biotechnology m, 5 CP		Advanced Organic Chemistry m, 5 CP	Advanced Organic and Analytical Chemistry Lab m, 5 CP	Advanced Biotechnology Lab ² m, 5 CP	Analytical Methods m, 5 CP		
1 st Year CHOICE	Introduction to Biotechnology: Microbiology and Genetics m, 7.5 CP		General Organic Chemistry m, 7.5 CP		Own Selection me, 7.5 CP		Physics for the Natural Sciences m, 5 CP	German / Humanities me, 2.5 CP
	General and Inorganic Chemistry m, 7.5 CP		General Biochemistry m, 7.5 CP		Own Selection me, 7.5 CP		Mathematical Concepts for the Sciences m, 5 CP	German / Humanities me, 2.5 CP
	Minor Option in CBT (30 CP)		CP: Credit Points m: mandatory me: mandatory elective Study abroad Option in 5 th Semester (22.5 CP)					

¹Module can be replaced with a CORE module from another study program in order to pursue a Minor²Module can be replaced with a CORE module from another study program in order to pursue a Minor, but has to be taken in Year 3, replacing one Specialization module