

## BSc Chemistry and Biotechnology (180 CP)

	CHOICE / CORE / CAREER3 x 45 = 135 CP					CONSTRUCTOR Track45 CP		
3 <sup>rd</sup> Year CAREER	Bachelor Thesis / Seminar m, 15 CP			Summer Internship / Start-Up (after 2 <sup>nd</sup> year) m, 15 CP	Argumentation, Data Visual and Communication** m, 5 CP	Agency, Leadership & Accountability OR Community Impact Project me, 5 CP		
	Specialization I me, 5 CP	Specialization II me, 5 CP	Specialization III me, 5 CP			Linear Model and Matrices OR Complex Problem Solving me, 5 CP		
2 <sup>nd</sup> Year CORE	Advanced Inorganic Chemistry m, 5 CP	Physical Chemistry m, 5 CP	Scientific Software and Databases <sup>1</sup> me, 5 CP	Bioprocess Engineering m, 5 CP	Inorganic and Physical Chemistry Lab m, 5 CP	Plant Metabolism and Natural Products m, 5 CP	Causation / Correlation** m, 2.5 CP	
	Industrial Biotechnology m, 5 CP		Advanced Organic Chemistry m, 5 CP	Advanced Organic and Analytical Chemistry Lab m, 5 CP	Advanced Biotechnology Lab <sup>2</sup> m, 5 CP	Analytical Methods m, 5 CP	Logic** m, 2.5 CP	
1 <sup>st</sup> 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 <sup>th</sup> Semester (22.5 CP)      **Different module perspectives available					

<sup>1</sup>Module can be replaced with a CORE module from another study program in order to pursue a Minor

<sup>2</sup>Module 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