

BSc Chemistry and Biotechnology (180 CP)

	Bachelor Thesis/Seminar (m, 15 CP)					Big Questions Ethics in Science and Technology (m, 5 CP)	Big Questions (me, 2.5 CP)	
Year 3	Study Abroad Option (22.5 CP)					Community Impact Project (m, 5 CP)	Big Questions (me, 2.5 CP)	
	Specialization (me, 15 CP)							
	Internship/Start-Up (m, 15 CP)							
Year 2	CORE* Advanced Inorganic Chemistry (m, 5 CP)	CORE* Physical Chemistry (m, 5 CP)	CORE Scientific Software and Databanks ¹ (me, 5 CP)	CORE Bioprocess Engineering (m, 5 CP)	CORE Inorganic and Physical Chemistry Lab (m, 5 CP)	Methods/Skills Plant Metabolites and Natural Products ¹ (me, 5 CP)	Language (me, 2.5 CP)	
	CORE* Industrial Biotechnology (m, 5 CP)		CORE Advanced Organic Chemistry (m, 5 CP)	CORE Organic and Analytical Chemistry Lab (m, 5 CP)	CORE Advanced Biotechnology Lab ² (m, 5 CP)	Methods/Skills Analytical Methods (m, 5 CP)	Language (me, 2.5 CP)	
Year 1	CHOICE* Introduction to Biotechnology (m, 7.5 CP)		CHOICE General Organic Chemistry (m, 7.5 CP)		CHOICE Own Selection (me, 7.5 CP)		Methods/Skills Physics for the Natural Sciences (m, 5 CP)	Language (me, 2.5 CP)
	CHOICE* General and Inorganic Chemistry (m, 7.5 CP)		CHOICE General Biochemistry (m, 7.5 CP)		CHOICE Own Selection (me, 7.5 CP)		Methods/Skills Mathematical Concepts for the Sciences (m, 5 CP)	Language (me, 2.5 CP)
Area	CHOICE/CORE 90 CP					JACOBS TRACK 45 CP		

* mandatory for minor students

m = mandatory

me = mandatory elective

¹ Module can be replaced with a CORE module from another study program in order to pursue a minor.

² 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