

Structure Master's Program Bioeconomy

Semester 1	Semester 2	Semester 3	Semester 4
Behavioral Public Economics	Advanced Sustainability and Life Cycle Assessment	Sustainable Production	Master's Thesis
Advanced Empirical Research	Advanced Environmental and Resource Economics	Specialization in (Bio-)Technology	
Operations Research	Specialization in (Bio-)Technology		
Specialization in (Bio-)Technology		Electives in Social Sciences, Sustainability, and Technology	
90 CP		30 CP	

Electives in (Bio-) Technology *	Microbial and Plant Biotechnology, Artificial Intelligence in Biotechnology, Biogenic Polymers, Biogas Technology, Biorefinery, Biological Materials in Nature and Technology, Bioinspired Materials and Processes, Sustainable Chemistry, Modelling and Optimization of Energy Systems, Renewables Utilization, Chemistry of Enzymes, Enzyme Engineering, Enzymatic Biotransformation, Wood-based Resources, Advanced Concepts in Bioinformatics
Electives in Social Sciences, Sustainability, and Technology **	Advanced Development Economics, Markets for Energy and Biobased Products, Personnel and Organizational Economics, Research Colloquium, Consumer Studies, Innovation in Bioeconomy, Corporate Sustainability Management, Plant and Technology Management, Advanced Seminar in Supply and Value Chain Management, Advanced Seminar in Circular Economy and Sustainability Management, Advanced Seminar in Behavioral Economics, Environmental Accounting and Economics and Sustainability Sciences, Microbial and Plant Biotechnology, Artificial Intelligence in Biotechnology, Biogenic Polymers, Biological Materials in Nature and Technology, Bioinspired Materials and Processes, Sustainable Chemistry, Modelling and Optimization of Energy Systems, Renewables Utilization, Chemistry of Enzymes, Enzyme Engineering, Enzymatic Biotransformation, Wood-based Resources, Advanced Concepts in Bioinformatics

***Major in (Bio-)Technology:** at least **28 CP** from Specialization in (Bio-)Technology and 26 CP from Electives in Social Sciences, Sustainability, and Technology

****Major in Social Sciences:** at least **39 CP** from Electives in Social Sciences, Sustainability, and Technology and 15 CP from Specialization in (Bio-)Technology