

FBM Master Study line – Study Program



Competence Area	Study Program of the FBM study line	
General Competences	FBM mandatory BioBusiness and Process Innovation (10)	
	FBM mandatory: Good Manufacturing Practice (GMP) and quality in pharma, biotech and food industry (5)	
	CBE mandatory: Chemical and Biochemical Product Design (10) or Process Design: Principles and Methods (10)	Biotech mandatory Cell factories: Design, engineering and analysis (10)
	CBE mandatory: Chemical Engineering Model Analysis (7.5) or Transport Processes (10)	Biotech mandatory Protein science and technology (5)
Technological Specializations	CBE prerequisite course for 27455: Cell factories: Design, engineering and analysis (10)	Biotech prerequisite for 28455: Recovery and purification of biological products (5) and Industrial BioReaction Engineering (5)
	CBE (own choice) Among CBE Technical Specialization courses (min. 10)	Biotech (own choice) Among Biotech Technical Specialization courses (min. 10)
	FBM mandatory: 27455 Microbial Adaptation to Industrial Processes (5)	
	FBM mandatory: 28455 Process Adaptation to Cell Factories (5)	
Electives	Elective courses: Among CBE courses (max. 17.5)	Elective courses: Among Biotech courses (20)
Practice	FBM Mandatory: FBM practice course in a biotech company (min. 10)	
Thesis	MSc thesis within FBM with CBE supervision (30)	MSc thesis within FBM with Biotech supervision (30)
Title (120)	MSc in Chemical and Biochemical Engineering with specialization in FBM	MSc in Biotechnology with specialization in FBM



Common courses for all FBM-students



for CBE-students



for Biotech-students