

Subject and module overview

Subject	Module	Courses	Responsible	Credits
Advanced Fundamentals	Mandatory: Process Technology	Lecture/ Exercise	Scheiff	8
		Praktikum		
	Elective: 4 Modules/ 24 Credits from:			
	Biotechnological Production	Lecture	Holtmann	6
		Seminar		
	Biopharmaceutical Purification Processes	Lecture/ Exercise	Hubbuch	6
	Bioprocess Development	Lecture/ Exercise	Grünberger	6
	Membrane Technologies in Water Treatment	Lecture/ Exercise	Horn	6
Alternatively: Maximum 2 elective modules from the Advanced Fundamentals of the Master's program Chemical and Process Engineering.			6	
<i>Study plan: Approval of the examination board required prior to registration for examinations in specialized courses and modules in the technical supplement courses!</i>				
Specialized Course I	3 elective modules			16
Specialized Course II	3 elective modules			16
Technical Supplement Course	2 – 3 elective modules			10
Soft Skills	e. g. offers of the House of Competence of FORUM			2
	Internship			14
	Master thesis			30

Recommended course of study

The study program can be started in the summer semester as well as in the winter semester. In the first two semesters it is recommended to complete the modules of the subjects Advanced Fundamentals, Technical Supplement Course and Soft Skill Qualifications as well as to attend lectures in the Specialized Courses. The first half of the third semester is then used to prepare for the specialization examinations, some of which are offered as block examinations (all modules of a specialized course in one common date). Following the specialization examinations, the p internship can be completed. The master's thesis is written in the fourth semester.

Start in winter semester

1. Semester						2. Semester						3. Semester						4. Semester					
October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September
Pat Part I 5 CP			Pr			Pat Part II 3 CP			K														
WP I 6 CP			K			WP III 6 CP			K														
WP II 6 CP			K			WP IV 6 CP			K														
TE 6 CP			M			TE 4 CP			M														
VF I 4 CP						VF I 4 CP						P 8 CP											
VF II 4 CP						VF II 4 CP						P 8 CP											
						ÜQ 2 CP			S														
												Internship			Thesis								
31 CP						29 CP						30 CP						30 CP					
Number of graded exams: 3						Number of graded exams: 4						Number of graded exams: 6											
Number of Labs (ungraded): 1						Number of ungraded exams: 1																	
PAT: Process Technology (Advanced Fundamentals)												K: Written Exam											
WP: Mandatory Elective (Advanced Fundamentals)												M: Oral Exam											
TE: Technical Supplement Course												S: Completed Coursework (ungraded)											
ÜQ: Interdisciplinary Qualifications												Pr: Lab											
VF: Specialized Course												P: Exam Preparation/ Oral Exam Specialized Course											

Start in summer semester

1. Semester						2. Semester						3. Semester						4. Semester					
April	May	June	July	August	September	October	November	December	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March
PAT Part II 3 CP			PrK			PAT Part I 5 CP			PrK														
WP I 6 CP			K			WP I 6 CP			K														
WP II 6 CP			K			WP II 6 CP			K														
TE 6 CP			M			TE I 4 CP			M														
VF I 4 CP						VF I 4 CP						P 8 CP											
VF II 4 CP						VF II 4 CP						P 8 CP											
ÜQ 2 CP			S																				
												Internship			Thesis								
31 CP						29 CP						30 CP						30 CP					
Number of graded exams: 4						Number of graded exams: 3						Number of graded exams: 6											
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