

Course of Study Chemical and Bioprocess Engineering (Study Cohort w24)

Sample course plan C Bachelor Chemical and Bioprocess Engineering (CBBS) Dual study program

Core Qualification Compulsory Specialisation Compulsory Focus Compulsory Thesis Compulsory
 Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Interdisciplinary complement

Specialisation Chemical Engineering					
1	Mathematics I		Technical Thermodynamics I		Technical Thermodynamics II
2	Mathematics I	VL 4	Technical Thermodynamics I	VL 2	Technical Thermodynamics II
3	Mathematics I	HÜ 2	Technical Thermodynamics I	HÜ 1	Technical Thermodynamics II
4	Mathematics I	GÜ 2	Technical Thermodynamics I	GÜ 1	Technical Thermodynamics II
5					
6					
7					
8			Mathematics II		Mathematics III
9			Mathematics II	VL 4	Analysis III
10	General and Inorganic Chemistry		Mathematics II	HÜ 2	Analysis III
11	General and Inorganic Chemistry	VL 3	Mathematics II	GÜ 2	Differential Equations 1
12	Fundamentals in Inorganic Chemistry	PR 3			Differential Equations 1
13	Fundamentals in Inorganic Chemistry	GÜ 1			Differential Equations 1
14					
15	Practical module 1 (dual study program, Bachelor's degree)		Organic Chemistry		Chemical Reaction Engineering (part 1)
16	Practical term 1	0	Organic Chemistry	VL 2	Chemical Reaction Engineering
17			Organic Chemistry	PR 2	Chemical Reaction Engineering
18			Organic Chemistry	GÜ 2	Chemical Reaction Engineering
19					
20					
21	Introduction to Chemical and Bioengineering		Fundamentals of Technical Drawing		Measurement Technology for Chemical and Bioprocess Engineering
22	Introduction to Chemical and Bioengineering	VL 2	Fundamentals of Technical Drawing	VL 1	Measurement Technology
23			Fundamentals of Technical Drawing	HÜ 1	Physical Fundamentals of Measurement Technology
24					Practical Course Measurement Technology
25	Biological and Biochemical Fundamentals (part 1)		Practical module 2 (dual study program, Bachelor's degree)		Practical module 3 (dual study program, Bachelor's degree)
26	Biological and Biochemical Fundamentals	VL 2	Practical term 2	0	Practical term 3
27	Engineering Mechanics I (Stereostatics)				
28	Engineering Mechanics I	VL 2			
29	Engineering Mechanics I	GÜ 2			
30	Engineering Mechanics I	HÜ 2			
31			Engineering Mechanics II (Elastostatics)		Bioprocess Technology I
32			Engineering Mechanics II	VL 2	Bioprocess Technology I
33			Engineering Mechanics II	GÜ 2	Bioprocess Technology I
34			Engineering Mechanics II	HÜ 2	Bioprocess Technology I - Fundamental Practical Course
35					
36			Biological and Biochemical Fundamentals (part 2)		
37			Fundamental Biological and Biochemical Practical Course	PR 3	
38			Introduction to the Biological and Biochemical Practical Course	VL 1	
39					
Linking theory and practice (dual study program, Bachelor's degree) - 6LP					

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

