

Course of Study Chemical and Bioprocess Engineering (Study Cohort w17)

Sample course plan B Master Chemical and Bioprocess Engineering (IMPCBE)
Specialisation Bioprocess Engineering

Legend:

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

LP	Semester 1	Form Hrs/wk	Semester 2	Form Hrs/wk	Semester 3	Form Hrs/wk	Semester 4	Form Hrs/wk
1	Applied Thermodynamics: Thermodynamic Properties for Industrial Applications	VL 4	Bioprocess and Biosystems Engineering	VL 2	Process Design Project	PK 6	Master Thesis	
2								
3								
4								
5								
6								
7	Separation Technologies for Life Sciences	VL 2	Heterogeneous Catalysis	VL 2	Research project IMP Chemical and Bioprocess Engineering	PBL 6		
8								
9								
10								
11	PBL 2	VL 2	Modern Methods in Heterogeneous Catalysis	VL 2				
12								
13	Biocatalysis	VL 2	Technical Microbiology	VL 2	Industrial Bioprocess Engineering	PBL 2		
14								
15								
16								
17	VL 2	VL 2	Technical Microbiology	HÜ 1		SE 2		
18								
19								
20	Process Systems Engineering and Transport Processes	VL 2	Cell and Tissue Engineering	VL 2	Bioresources and Biorefineries	VL 2		
21								
22								
23								
24	VL 2	VL 2	Bioprocess Engineering for Medical Applications	VL 2		UE 1		
25								
26	Particle Technology for International Master Programs	VL 2						
27								
28								
29								
30	PR 3							
Business & Management (from catalogue) - 6LP								
Nontechnical Elective Complementary Courses for Master (from catalogue) - 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.