

# Course of Study Chemical and Bioprocess Engineering (Study Cohort w19)

Sample course plan A Master Chemical and Bioprocess Engineering (IMPCBE)

Specialisation Chemical Process Engineering				Semester 2				Semester 3				Semester 4			
Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk	Form	Hrs/wk		
1	<b>Applied Thermodynamics: Thermodynamic Properties for Industrial Applications</b>			<b>Bioprocess and Biosystems Engineering</b>			<b>Process Design Project</b>			<b>Master Thesis</b>					
2	VL	4	VL	2	VL	2	PK	6							
3	GÜ	2	VL	2	PBL	1									
4															
5															
6															
7	<b>Separation Technologies for Life Sciences</b>			<b>Heterogeneous Catalysis</b>			<b>Research project IMP Chemical and Bioprocess Engineering</b>								
8	VL	2	VL	2	VL	2	PBL	6							
9	VL	2	VL	2	VL	2									
10	PBL	2	PR	2											
11															
12															
13	<b>Biocatalysis</b>			<b>Technical Microbiology</b>			<b>Industrial Process Automation</b>								
14	VL	2	VL	2	VL	2	VL	2							
15	VL	2	VL	2	VL	2	GÜ	2							
16															
17															
18															
19	<b>Process Systems Engineering and Transport Processes</b>			<b>High Pressure Chemical Engineering</b>			<b>Membrane Technology</b>								
20	VL	2	VL	2	VL	2	VL	2							
21	VL	2	VL	2	VL	2	GÜ	1							
22	VL	2	VL	2	VL	2	PR	1							
23															
24															
25	<b>Particle Technology for International Master Programs</b>														
26	VL	2													
27	PR	3													
28	HÜ	1													
29															
30															
Business & Management (from catalogue) - 6LP															
Non-technical 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.

