

# Course of Study Bioprocess Engineering (Study Cohort w20)

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

Sample course plan D Bachelor Bioprocess Engineering (BVTBS)

1	<b>Engineering Mechanics I</b>		<b>Engineering Mechanics II</b>		<b>Basics of Electrical Engineering</b>		<b>Fundamentals of Fluid Mechanics</b>		<b>Heat and Mass Transfer</b>		<b>Process and Plant Engineering I</b>	
2	Engineering Mechanics I	VL 3	Engineering Mechanics II	VL 3	Basics of Electrical Engineering	VL 3	Fundamentals of Fluid Mechanics	VL 2	Heat and Mass Transfer	VL 2	Process and Plant Engineering I	VL 2
3	Engineering Mechanics I	GÜ 2	Engineering Mechanics II	GÜ 2	Basics of Electrical Engineering	GÜ 2	Fluid Mechanics for Process Engineering	HÜ 2	Heat and Mass Transfer	GÜ 1	Process and Plant Engineering I	HÜ 1
4									Heat and Mass Transfer	HÜ 1	Process and Plant Engineering I	GÜ 1
5												
6												
7	<b>Mathematics I</b>		<b>Technical Thermodynamics I</b>		<b>Technical Thermodynamics II</b>		<b>Phase Equilibria Thermodynamics</b>		<b>Thermal Separation Processes</b>		<b>Particle Technology and Solids Process Engineering</b>	
8	Linear Algebra I	VL 2	Technical Thermodynamics I	VL 2	Technical Thermodynamics II	VL 2	Phase Equilibria Thermodynamics	VL 2	Thermal Separation Processes	VL 2	Particle Technology I	VL 2
9	Linear Algebra I	GÜ 1	Technical Thermodynamics I	HÜ 1	Technical Thermodynamics II	HÜ 1	Phase Equilibria Thermodynamics	GÜ 1	Thermal Separation Processes	GÜ 2	Particle Technology I	GÜ 1
10	Linear Algebra I	HÜ 1	Technical Thermodynamics I	GÜ 1	Technical Thermodynamics II	GÜ 1	Phase Equilibria Thermodynamics	HÜ 1	Thermal Separation Processes	HÜ 1	Particle Technology I	PR 2
11	Analysis I	VL 2							Separation Processes	PR 1		
12	Analysis I	GÜ 1										
13												
14												
15	<b>General and Inorganic Chemistry</b>		<b>Biochemistry and Microbiology</b>		<b>Mathematics III</b>		<b>Foundations of Management</b>		<b>Introduction to Control Systems</b>		<b>Environmental Technology (part 2)</b>	
16	General and Inorganic Chemistry	VL 3	Biochemistry	VL 2	Analysis III	VL 2	Introduction to Management	VL 3	Introduction to Control Systems	VL 2	Practical Exercise Environmental Technology	PR 1
17	Fundamentals in Inorganic Chemistry	PR 3	Biochemistry	PBL 1	Analysis III	GÜ 1	Management Tutorial	GÜ 2	Introduction to Control Systems	GÜ 2		
18	Fundamentals in Inorganic Chemistry	GÜ 1	Microbiology	VL 2	Analysis III	HÜ 1						
19			Microbiology	PBL 1	Differential Equations 1	VL 2						
20			Microbiology	PBL 1	Differential Equations 1	GÜ 1						
21					Differential Equations 1	HÜ 1						
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												
Non-technical Courses for Bachelors (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.

