

Course of Study Process Engineering (Study Cohort w20)

Sample course plan B Bachelor Process Engineering (VTBS)

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

LP	Semester 1	FormHrs/wk	Semester 2	FormHrs/wk	Semester 3	FormHrs/wk	Semester 4	FormHrs/wk	Semester 5	FormHrs/wk	Semester 6	FormHrs/wk
1	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
2												
3												
4												
5												
6												
7	Mathematics 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 and Solids Process Engineering	VL 2
8												
9												
10												
11												
12												
13	Mathematics II	VL 2	Construction and Apparatus Engineering	VL 2	Renewables and Energy Systems	VL 2	Foundations of Management Systems	VL 3	Environmental Technology (part 2)	VL 3	Bachelor Thesis	PR 1
14												
15												
16												
17												
18												
19	General and Inorganic Chemistry	VL 3	Mathematics III	VL 2	Informatics for Process Engineers	VL 2	Introduction to Control Systems	VL 2	Introduction to Control Systems	VL 2	Practice of Process Engineering	PS 2
20												
21												
22												
23												
24												
25	Fundamentals of Process Engineering and Material Engineering	VL 2	Organic Chemistry	VL 4	Chemical Reaction	VL 2	Bioprocess Engineering - Fundamentals	VL 2	Practice in Process	PS 2		
26												
27	Measurement Technology for VT/ BVT	VL 2	Fundamentals of technical									

	Measurement Technology Practical Course Measurement Technology	PR 2	drawing Fundamentals of Technical Drawing	VL 1	Engineering (part 1) Chemical Reaction Engineering	VL 2	Fundamentals Bioprocess Engineering- Fundamentals	HÜ 2	Engineering Lectures for Praticce of Process Engineering	SE 1
28			Fundamentals of Technical Drawing	HÜ 1	Chemical Reaction Engineering	HÜ 2	Bioprocess Engineering - Fundamental Practical Course	PR 2	Environmental Technology (part 1) Environmental Technologie	VL 2
29										
30										
31							Chemical Reaction Engineering (part 2) Experimental Course Chemical Engineering	PR 2		
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.