

Course of Study Process Engineering (Study Cohort w21)

Sample course plan C Master Process Engineering (VTMS)

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

Specialisation Environmental Process Engineering			
1	Particle Technology and Solid Matter Process Technology		Advanced Chemical Reaction Engineering
2	Advanced Particle Technology II VL 2		Chemical Reaction Engineering VL 2
3	Advanced Particle Technology II PBL 1		Chemical Reaction Engineering HÜ 2
4	Experimental Course Particle Technology PR 3		Experimental Course Chemical Engineering PR 2
5			
6			
7	Transport Processes		Bioprocess and Biosystems Engineering
8	Heat & Mass Transfer in Process Engineering VL 2		Bioreactor Design and Operation VL 2
9	Multiphase Flows VL 2		Biosystems Engineering VL 2
10	Reactor Design Using Local Transport Processes PBL 2		Bioreactors and Biosystems Engineering PBL 1
11			
12			
13	Process and Plant Engineering II		System Aspects of Renewable Energies
14	Process and Plant Engineering II VL 2		Energy Trading VL 1
15	Process and Plant Engineering II HÜ 1		Energy Trading GÜ 1
16	Process and Plant Engineering II GÜ 1		Fuel Cells, Batteries, and Gas Storage: New Materials for Energy Production and Storage VL 2
17			Deep Geothermal Energy VL 2
18			
19	Fluid Mechanics in Process Engineering		Computer Aided Process Engineering (CAPE)
20	Fluid Mechanics II VL 2		CAPE with Computer Exercises IV 2
21	Applications of Fluid Mechanics in Process Engineering HÜ 2		Methods of Process Safety and Dangerous Substances VL 2
22			
23			
24			
25			Environmental analysis for process engineering
26			Environmental Analysis VL 2
27			Practical Course Aquatic Chemistry PR 4
28			
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.

