

# Course of Study Process Engineering (Study Cohort w18)

Sample course plan C Master Process Engineering (VTMS)  
Specialisation Environmental Process Engineering

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	<b>Particle Technology and Solid Matter Process Technology</b>	VL 2	<b>Advanced Chemical Reaction Engineering</b>	VL 2	<b>Process Design Project</b>	PK 6	<b>Master Thesis</b>			
2								Chemical Reaction Engineering		
3								Advanced Particle Technology II		
4								Advanced Particle Technology II	HÜ 2	
5								Experimental Course Particle Technology	PR 3	
6										
7	<b>Transport Processes</b>	VL 2	<b>Bioprocess and Biosystems Engineering</b>	VL 2	<b>Membrane Technology</b>	VL 2				
8								Heat & Mass Transfer in Process Engineering		
9								Multiphase Flows	VL 2	
10								Reactor Design Using Local Transport Processes	PBL 2	
11										
12										
13	<b>Process and Plant Engineering II</b>	VL 2	<b>System Aspects of Renewable Energies</b>	VL 1	<b>Aquatic Chemistry</b>	VL 2				
14								Process and Plant Engineering II		
15								Process and Plant Engineering II	HÜ 1	
16								Process and Plant Engineering II	UE 1	
17								Process and Plant Engineering II	UE 1	
18										
19	<b>Fluid Mechanics in Process Engineering</b>	VL 2	<b>Computer Aided Process Engineering (CAPE)</b>	VL 2	<b>Wastewater Treatment and Air Pollution Abatement</b>	VL 2				
20								Fluid Mechanics II		
21								Applications of Fluid Mechanics in Process Engineering	HÜ 2	
22										
23										
24										
25					<b>Research Project Process Engineering</b>	PBL 6				
26										
27										
28										
29										
30										
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.

