

World:

Core qualification
Compulsory

Specialisation Compulsory	Focus Compulsory	Thesis 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 Engineering Mechanics I Engineering Mechanics I	VL 3 UE 2	Engineering Mechanics II Engineering Mechanics II Engineering Mechanics II	VL 3 UE 2	Basics of Electrical Engineering Basics of Electrical Engineering Basics of Electrical Engineering	VL 3 UE 2	Fundamentals of Fluid Mechanics Fundamentals of Fluid Mechanics Exercises in Fluid Mechanics HÜ 1 for Process Engineering	VL 2	Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer	VL 2 UE 1	Thermal Separation Processes (part 2) Separation Processes	PR 1
2											Chemical Reaction Engineering (part 2) Experimental Course Chemical Engineering	PR 2
3												
4												
5											Process and Plant Engineering I Process and Plant Engineering I	VL 2
6												
7	Mathematics I Linear Algebra I Linear Algebra I Linear Algebra I Analysis I Analysis I Analysis I	VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1	Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I	VL 2 HÜ 1 UE 1	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II	VL 2 UE 1 HÜ 1 UE 1	Phase Equilibria Thermodynamics Thermodynamics III Thermodynamics III Thermodynamics III	VL 2 UE 1 HÜ 1	Thermal Separation Processes (part 1) Thermal Separation Processes Thermal Separation Processes Thermal Separation Processes	VL 3 UE 2 HÜ 1		
8												
9												
10												
11												
12												
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14												
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16												
17	Fundamentals in Inorganic Chemistry Fundamentals in Inorganic Chemistry Fundamentals in Inorganic Chemistry	VL 4 PR 3	Biochemistry and Microbiology Biochemistry Biochemistry Microbiology Microbiology	VL 2 PBL 1 VL 2 PBL 1	Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1	VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1	Foundations of Management Introduction to Management Project Entrepreneurship	VL 4 PBL 2	Introduction to Control Systems Introduction to Control Systems Introduction to Control Systems	VL 2 UE 2	Bachelor Thesis	
18												
19												
20												
21												
22												
23	Fundamentals of Process Engineering Environmental Technologie Introduction into Process Engineering/Bioprocess Engineering Engineering	VL 2 VL 2	Mathematics II Linear Algebra II Linear Algebra II Linear Algebra II Analysis II Analysis II Analysis II	VL 2 UE 1 HÜ 1 VL 2 HÜ 1 UE 1	Fundamentals in Molecular Biology Genetics and Molecular Biology Genetics and Molecular Biology Lab Course in Microbiology and Biochemistry	VL 2 PBL 1 PR 3	Informatics for Process Engineers Numeric and Matlab Informatics for Process Engineers Informatics for Process Engineers	PR 2 VL 2 UE 2	Chemical Reaction Engineering (part 1) Chemical Reaction Engineering Chemical Reaction Engineering	VL 2 HÜ 2		
24												
25												
26												
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28												
29	Physics for VT/BVT/EUT-Engineers Physics for VT/BVT/EUT-	VL 2	Organic Chemistry Organic Chemistry Organic Chemistry	VL 4 PR 3			Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals Bioprocess Engineering - Fundamentals	VL 2 HÜ 2	Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced Bioprocess Engineering - Advanced	VL 2 UE 2		

