

Course of Study Chemical and Bioprocess Engineering (Study Cohort w26)

Sample course plan C Bachelor Chemical and Bioprocess Engineering (CBBS)

Specialisation Chemical Engineering																											
1	Mathematics I (part 1) Prep Course Mathematics Mathematics I Mathematics I Mathematics I			Engineering Mechanics I (Stereostatics) (part 2) Repetitorium Technische Mechanik I Biological and Biochemical Fundamentals (part 2) Fundamental Biological and Biochemical Practical Course Introduction to the Biological and Biochemical Practical Course			Mathematics II (part 2) Repetitorium Mathematik II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II			Fundamentals of Fluid Mechanics Fundamentals of Fluid Mechanics Fluid Mechanics for Process Engineering Fundamentals on Fluid Mechanics			Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer			Particle Technology and Solids Process Engineering Particle Technology I Particle Technology I Particle Technology I											
2	IV 3 VL 4 HÜ 2 GÜ 2			IV 6 PR 3 VL 1 GÜ 2			IV 4 VL 2 HÜ 1 GÜ 2			VL 2 HÜ 2 GÜ 2			VL 2 GÜ 2 HÜ 1			VL 2 GÜ 1 PBL 1											
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9	General and Inorganic Chemistry General and Inorganic Chemistry Fundamentals in Inorganic Chemistry Fundamentals in Inorganic Chemistry						Mathematics III Analysis III Analysis III Analysis III Differential Equations 1 Differential Equations 1 Differential Equations 1			VL 2 GÜ 1 HÜ 1 VL 2 GÜ 1 HÜ 1			Phase Equilibria Thermodynamics Phase Equilibria Thermodynamics Phase Equilibria Thermodynamics Phase Equilibria Thermodynamics			Introduction to Control Systems Introduction to Control Systems Introduction to Control Systems Introduction to Control Systems			VL 2 GÜ 2 HÜ 1			VL 2 GÜ 2 PBL 1					
10	VL 3 PR 3 GÜ 1																										
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15	Introduction to Chemical and Bioengineering Introduction to Chemical and Bioengineering			VL 2												Economic and Environmental Project Assessment Basics of Environmental Project Assessment Case studies economic and environmental project assessment Basics of economic project assement			VL 2 GÜ 1 VL 2			Fundamentals of Chemical Kinetics Fundamentals of Chemical Kinetics Fundamentals of Chemical Kinetics			VL 1 HÜ 1		
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18	Biological and Biochemical Fundamentals (part 1) Biological and Biochemical Fundamentals			VL 2																							
19																											
20	Engineering Mechanics I (Stereostatics) (part 1) Engineering Mechanics I Engineering Mechanics I Engineering Mechanics I			VL 2 GÜ 2 HÜ 2			Organic Chemistry Organic Chemistry Organic Chemistry Organic Chemistry			VL 2 PR 2 GÜ 2			Measurement Technology for Chemical and Bioprocess Engineering Measurement Technology Physical Fundamentals of Measurement Technology Practical Course Measurement Technology			VL 2 VL 2 HÜ 1 PR 2			Chemical Reaction Engineering (part 1) Chemical Reaction Engineering Chemical Reaction Engineering			VL 2 HÜ 2					
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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.

