

Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w19)

Sample course plan B Bachelor General Engineering Science (English program, 7 semester) (GESBS(7))
Specialisation Process Engineering

Legend:

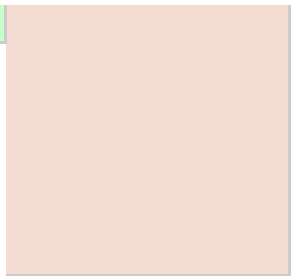
Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	FormHrs	Semester 2	FormHrs	Semester 3	FormHrs	Semester 4	FormHrs	Semester 5	FormHrs	Semester 6	FormHrs	Semester 7	FormHrs/wk												
1	Chemistry (GES)		Technical Thermodynamics I		Technical Thermodynamics II		Fundamentals of Fluid Mechanics		Introduction to Control Systems		Foundations of Management		Advanced Internship GES													
2															Chemistry I	VL 2	Technical Thermodynamics I	VL 2	Technical Thermodynamics II	VL 2	Fundamentals of Fluid Mechanics	VL 2	Introduction to Control Systems	VL 2	Introduction to Management	VL 3
3															Chemistry II	VL 2	Technical Thermodynamics I	HÜ 1	Technical Thermodynamics II	HÜ 1	Fluid Mechanics for Process Engineering	HÜ 2	Introduction to Control Systems	UE 2	Management Tutorial	HÜ 2
4															Chemistry I	HÜ 1	Technical Thermodynamics I	UE 1	Technical Thermodynamics II	UE 1						
5															Chemistry II	HÜ 1	Technical Thermodynamics I		Technical Thermodynamics II							
6																										
7	Linear Algebra		Mathematical Analysis		Mathematics III		Phase Equilibria Thermodynamics		Heat and Mass Transfer		Chemical Reaction Engineering (part 2)		Bachelor Thesis													
8															Linear Algebra	VL 4	Mathematical Analysis	VL 4	Analysis III	VL 2	Phase Equilibria Thermodynamics	VL 2	Heat and Mass Transfer	VL 2	Experimental Course Chemical Engineering	PR 2
9															Linear Algebra	HÜ 2	Mathematical Analysis	HÜ 2	Analysis III	UE 1	Phase Equilibria Thermodynamics	UE 1	Heat and Mass Transfer	UE 1		
10															Linear Algebra	UE 2	Mathematical Analysis	UE 2	Analysis III	HÜ 1	Phase Equilibria Thermodynamics	HÜ 1	Heat and Mass Transfer	HÜ 1	Process and Plant Engineering I	
11																			Differential Equations 1	VL 2	Phase Equilibria Thermodynamics				Process and Plant Engineering I	VL 2
12																			Differential Equations 1	UE 1	Phase Equilibria Thermodynamics				Process and Plant Engineering I	HÜ 1
13																			Differential Equations 1	HÜ 1	Signals and Systems		Thermal Separation Processes		Process and Plant Engineering I	UE 1
14																					Signals and Systems	VL 3	Thermal Separation Processes	VL 2	Process and Plant Engineering I	
15																					Signals and Systems	UE 2	Thermal Separation Processes	UE 2	Particle Technology and Solids Process Engineering	
16	Electrical Engineering I		Electrical Engineering II		Mechanics III (GES)		Bioprocess Engineering - Fundamentals		Chemical Reaction Engineering (part 1)		Environmental Technology (part 2)		Bachelor Thesis													
17															Electrical Engineering I	VL 3	Electrical Engineering II	VL 3	Mechanics III	HÜ 1	Bioprocess Engineering - Fundamentals	VL 2	Chemical Reaction Engineering	VL 2	Particle Technology I	VL 2
18															Electrical Engineering I	UE 2	Electrical Engineering II	UE 2	Mechanics III	UE 2	Bioprocess Engineering - Fundamentals	HÜ 2	Chemical Reaction Engineering	HÜ 2	Particle Technology I	UE 1
19					Mechanics III	VL 3	Bioprocess Engineering - Fundamental Practical Course	PR 2			Particle Technology I	PR 2														
20																										
21	Mechanics I (GES)		Mechanics II (GES)		Computer Engineering		Measurement Technology for VT/ BVT		Informatics for Process Engineers				Bachelor Thesis													
22															Mechanics I	VL 2	Mechanics II	VL 2	Computer Engineering	VL 3	Measurement Technology for VT/ BVT		Informatics for Process Engineers			
23															Mechanics I	HÜ 3	Mechanics II	HÜ 2	Computer Engineering	UE 1	Measurement Technology for VT/ BVT		Informatics for Process Engineers			
24																					Physical Fundamentals	VL 2	Informatics for Process Engineers	UE 2		
25																										
26																										
27	Programming in C		Fundamentals of Mechanical		Fundamentals of Process																					

	Programming in C		Fundamentals of Mechanical Engineering Design (GES)	Fundamentals of Process Engineering and Material Engineering			
28	Programming in C	VL 1	Fundamentals of Mechanical Engineering	VL 2	Introduction into Process Engineering/Bioprocess Engineering	VL 2	
	Programming in C	PR 1	Fundamentals of Mechanical Engineering	UE 2	Fundamentals of material engineering	VL 2	
29	Physics for Engineers (GES)						
	Physics for Engineers	VL 2					
30	Physics for Engineers	UE 1					
31							
32							
Nontechnical Complementary Courses for Bachelors (from catalogue) - 6LP							

of Measurement Technology	
Practical Course Measurement Technology	PR 2
Environmental Technology (part 1)	
Environmental Technologie	VL 2

Engineers



The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.