

Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w17)

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

27	Programming in C Programming in C VL 1 Programming in C PR 1	Fundamentals of Mechanical Engineering (GES) Fundamentals of Mechanical Engineering VL 2	Fundamentals of Process Engineering and Material Engineering Introduction into Process Engineering/Bioprocess Engineering VL 2	Fundamentals of Measurement Technology Practical Course Measurement Technology PR 2	Process Engineers	
28						
29	Physics for Engineers (GES) Physics for Engineers VL 2 Physics for Engineers UE 1	Fundamentals of Mechanical Engineering UE 2	Fundamentals of material engineering VL 2	Environmental Technology (part 1) Environmental Technologie VL 2		
30						
31			Physical Chemistry			
32			Physical Chemistry VL 2 Physical Chemistry PR 2			

Nontechnical Complementary 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.