

Course of Study General Engineering Science (English program) (Study Cohort w14)

Sample course plan B Bachelor General Engineering Science (English program) (GESBS)
Specialisation Mechanical Engineering, Focus Theoretical Mechanical Engineering

Legend:

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

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	Chemistry (GES)		Physics for Engineers (GES) (part 2)		Technical Thermodynamics II		Mechanical Engineering: Design (part 2)		Introduction to Control Systems		Foundations of Management																	
2	Chemistry I	VL 2	Physics-Lab for ET/IIW-Engineers	PR 1	Technical Thermodynamics II	VL 2	Team Project Design Methodology	POL 2	Introduction to Control Systems	VL 2	Introduction to Management	VL 4																
3	Chemistry II	VL 2	Fundamentals of Mechanical Engineering Design	Fundamentals of Mechanical Engineering Design	Technical Thermodynamics II	HÜ 1	Mechanical Design Project II	TT 3	Introduction to Control Systems	UE 2	Project Entrepreneurship	POL 2																
4	Chemistry I	HÜ 1			Technical Thermodynamics II	UE 1	Fundamentals of Materials Science (part 2)	Fundamentals of Materials Science II	VL 2	Advanced Mechanical Engineering Design (part 2)	Advanced Mechanical Engineering Design II	Measurement Technology for Mechanical and Process Engineers	Mathematics IV															
5	Chemistry II	HÜ 1			Fundamentals of Mechanical Engineering Design	VL 2			Advanced Mechanical Engineering Design II					VL 2	Measurement Technology for Mechanical and Process Engineers	VL 2	Complex Functions	VL 2										
6	Linear Algebra				Fundamentals of Mechanical Engineering Design	HÜ 2			Advanced Mechanical Engineering Design II					HÜ 2	Measurement Technology for Mechanical and Process Engineers	HÜ 1	Complex Functions	UE 1										
7		Linear Algebra			VL 4	Computer Engineering			Computer Engineering					VL 3	Signals and Systems	Signals and Systems	Practical Course: Measurement and Control Systems	Mechanical and Process Engineers	Differential Equations 2									
8		Linear Algebra			HÜ 2									Computer Engineering						UE 1	HÜ 1	Control Systems	PR 2	Differential Equations 2	UE 1			
9	Linear Algebra	UE 2			Technical Thermodynamics I									Technical Thermodynamics I						VL 2	HÜ 1	HÜ 1	Simulation of Dynamic Systems and Reliability	Simulation of Dynamic Systems	Reliability of Dynamic Systems	Bachelor Thesis		
10	Electrical Engineering I		Technical Thermodynamics I	UE 1																							Analysis III	VL 2
11		Technical Thermodynamics I	HÜ 1	Analysis III			UE 1	Reliability of Dynamic Systems		VL 2	Simulation of Dynamic Systems	UE 1																
12		Technical Thermodynamics I	UE 1	Analysis III			HÜ 1	Fluid Dynamics		VL 3	Reliability of Dynamic Systems	UE 1																
13	Mathematics III		Mathematical Analysis	Mathematical Analysis			VL 4	HÜ 2		Mathematical Analysis	UE 2	Advanced Mechanical Design Project	Advanced Mechanical Design Project														TT 4	
14		Electrical Engineering I							Mathematical Analysis						UE 2	Differential Equations 1	VL 2	Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Systems)	Mechanics IV									VL 3
15						Electrical Engineering I			VL 3						Differential Equations 1	UE 1	Mechanics IV											
16					Electrical Engineering I	UE 2			Mathematical Analysis					HÜ 1	Mechanics IV	HÜ 1												
17		Mechanics I (GES)				Mathematical Analysis			UE 2					Differential Equations 1	HÜ 1	Heat Transfer	Heat Transfer			VL 3								
18					Mechanics I	VL 2			Electrical Engineering II					Electrical Engineering II	VL 3						UE 2	Heat Transfer	HÜ 1					
19																								Mechanics I	HÜ 3	Electrical Engineering II		
20	Mechanics I	HÜ 3	Electrical Engineering II	UE 2			Mechanics III	UE 2																				
21			Physics for Engineers (GES) (part 1)		Electrical Engineering II	UE 2	Mechanics III	VL 3																				
22				Physics for Engineers	VL 2	Mechanics II (GES)	Mechanics II	VL 2		Fundamentals of Materials Science (part 1)	Fundamentals of Materials Science I	VL 2																
23	Physics for Engineers	UE 1											Physics for Engineers					UE 1	Fundamentals of Materials Science I					VL 2				
24			Physics for Engineers										UE 1			Physics for Engineers	UE 1	Physical and Chemical Basics of	VL 2									
25				Physics for Engineers	UE 1				Physics for Engineers					UE 1	Materials Science													
26	Physics for Engineers	UE 1							Physics for Engineers					UE 1														
27			Physics for Engineers						UE 1				Physics for Engineers	UE 1														
28				Physics for Engineers	UE 1								Physics for Engineers	UE 1														
29	Physics for Engineers	UE 1				Physics for Engineers	UE 1																					
30			Physics for Engineers			UE 1	Physics for Engineers	UE 1																				
31				Physics for Engineers	UE 1		Physics for Engineers	UE 1																				
32	Physics for Engineers	UE 1					Physics for Engineers	UE 1																				
33			Physics for Engineers			UE 1	Physics for Engineers	UE 1																				

