

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 Mechatronics

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	Measurement Technology for Mechanical and Process Engineers	Measurement Technology for Mechanical and Process Engineers	Measurement Technology for Mechanical and Process Engineers	HÜ 1				
5	Chemistry II	HÜ 1			Fundamentals of Mechanical Engineering Design	HÜ 2			Advanced Mechanical Engineering Design (part 2)					Advanced Mechanical Engineering Design II	VL 2		
6	Linear Algebra	VL 4			Computer Engineering	VL 3									Advanced Mechanical Engineering Design II	HÜ 2	Practical Course: Measurement and Control Systems
7							Linear Algebra	HÜ 2	Signals and Systems					Signals and Systems			
8	Linear Algebra	UE 2			Computer Engineering	Computer Engineering	UE 1	Simulation of Dynamic Systems and Reliability							Simulation of Dynamic Systems	VL 2	Reliability of Dynamic Systems
9	Electrical Engineering I	VL 3							Mathematical Analysis					VL 4			
10			Mathematical Analysis	HÜ 2	Electrical Engineering III: Circuit Theory and Transients	Circuit Theory	VL 3	UE 2									
11			Mathematical Analysis	UE 2						Bachelor Thesis							
12	Technical Thermodynamics I	VL 2	Mathematics III	Analysis III	VL 2	Analysis III	UE 1	Mechanics III (GES)	Mechanics III		HÜ 1	Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Systems)	Mechanics IV	VL 3			
13										Technical Thermodynamics I					HÜ 1	Analysis III	HÜ 1
14	Technical Thermodynamics I	UE 1	Differential Equations 1	HÜ 1	Differential Equations 1	UE 1	Mechanics III	VL 3	Mechanics IV	HÜ 1							
15	Electrical Engineering I	UE 2									Mathematical Analysis	Mathematical Analysis	VL 4	Mathematical Analysis	HÜ 2	Mathematics III	Analysis III
16			Electrical Engineering I	VL 3	Mathematical Analysis	UE 2	Differential Equations 1	HÜ 1	Mechanics II (GES)	Mechanics II							
17	Electrical Engineering I	UE 2	Mathematical Analysis	UE 2							Differential Equations 1	HÜ 1	Mechanics II	HÜ 2	Fundamentals of Materials Science (part 1)	Fundamentals of Materials Science I	VL 2
18	Mechanics I (GES)	VL 2			Electrical Engineering II	Electrical Engineering II	VL 3	Electrical Engineering II	UE 2	Mechanics III (GES)							
19			Mechanics I	HÜ 3							Electrical Engineering II	UE 2	Mechanics III	VL 3	Fundamentals of Materials Science I	VL 2	
20	Mechanics I	HÜ 3	Mechanical Engineering: Design (part 1)	Embodiment Design and 3D-CAD	VL 2	Mechanical Design Project I	TT 3	Fundamentals of Materials Science I	VL 2								
21	Physics for Engineers (GES) (part 1)	VL 2								Electrical Engineering II	Electrical Engineering II	UE 2	Mechanical Design Project I	TT 3	Fundamentals of Materials Science I	VL 2	
22			Physics for Engineers	UE 1	Mechanics II (GES)	Mechanics II	VL 2	Fundamentals of Materials Science I	VL 2								
23	Physics for Engineers	UE 1	Mechanics II (GES)	Mechanics II						HÜ 2	Fundamentals of Materials Science I	VL 2					
24	Physics for Engineers (GES) (part 1)	VL 2			Mechanics II (GES)	Mechanics II	HÜ 2	Fundamentals of Materials Science I	VL 2								
25			Physics for Engineers	UE 1						Mechanics II (GES)	Mechanics II	HÜ 2	Fundamentals of Materials Science I	VL 2			
26	Physics for Engineers (GES) (part 1)	VL 2	Mechanics II (GES)	Mechanics II	HÜ 2	Fundamentals of Materials Science I	VL 2										
27								Physics for Engineers	UE 1	Mechanics II (GES)	Mechanics II	HÜ 2	Fundamentals of Materials Science I	VL 2			
28	Physics for Engineers (GES) (part 1)	VL 2	Mechanics II (GES)	Mechanics II	HÜ 2	Fundamentals of Materials Science I	VL 2										
29								Physics for Engineers	UE 1	Mechanics II (GES)	Mechanics II	HÜ 2	Fundamentals of Materials Science I	VL 2			
30	Physics for Engineers (GES) (part 1)	VL 2	Mechanics II (GES)	Mechanics II	HÜ 2	Fundamentals of Materials Science I	VL 2										
31								Physics for Engineers	UE 1	Mechanics II (GES)	Mechanics II	HÜ 2	Fundamentals of Materials Science I	VL 2			
32	Physics for Engineers (GES) (part 1)	VL 2	Mechanics II (GES)	Mechanics II	HÜ 2	Fundamentals of Materials Science I	VL 2										
33								Physics for Engineers	UE 1	Mechanics II (GES)	Mechanics II	HÜ 2	Fundamentals of Materials Science I	VL 2			

