

Course of Study General Engineering Science (English program) (Study Cohort w15)

Sample course plan C Bachelor General Engineering Science (English program) (GESBS)
Specialisation Mechanical Engineering, Focus Aircraft Systems 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/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/ AIW/ GES	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	Integrated Product Development and Lightweight Design																
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	Integrated Product Development I	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	Development of Lightweight Design Products	VL 2											
7		Linear Algebra			VL 4	Technical Thermodynamics I			Technical Thermodynamics I					Computer Engineering	Computer Engineering	Signals and Systems	Signals and Systems	Practical Course: Measurement and Control Systems	CAE-Team Project	POL 2									
8		Linear Algebra			HÜ 2																Technical Thermodynamics I	VL 2	Computer Engineering	VL 3	Signals and Systems	VL 3	Simulation of Dynamic Systems and Reliability	Aeronautical Systems	
9	Linear Algebra	UE 2			Technical Thermodynamics I																HÜ 1	Computer Engineering	UE 1	Signals and Systems	HÜ 1	Simulation of Dynamic Systems			VL 2
10	Electrical Engineering I		Technical Thermodynamics I	UE 1	Mathematics III																Analysis III	Fluid Dynamics	Fluid Mechanics	Fluid Mechanics	Reliability of Dynamic Systems	UE 1			Fundamentals of Aircraft Systems
11			Mathematical Analysis	VL 4			Analysis III	UE 1		Fluid Mechanics	VL 3	Reliability of Dynamic Systems	VL 2														Fundamentals of Aircraft Systems	UE 1	
12			Mathematical Analysis	HÜ 2		Analysis III	HÜ 1	Fluid Mechanics	HÜ 1	Simulation of Dynamic Systems	UE 1	Air Transportation Systems	HÜ 1																
13			Mathematical Analysis	UE 2		Differential Equations 1	VL 2	Advanced Mechanical Design Project	Advanced Mechanical Design Project	TT 4	Reliability of Dynamic Systems	UE 1	Bachelor Thesis																
14			Mathematical Analysis	UE 2		Differential Equations 1	UE 1							Mechanics III (GES)	Mechanics III	Mechanics III	Mechanics III	Mechanics III											
15		Mathematical Analysis	UE 2	Differential Equations 1	HÜ 1	Mechanics III	HÜ 1												Mechanics III	UE 2	Mechanics III	VL 3							
16	Electrical Engineering I	VL 3	Electrical Engineering II	Electrical Engineering II	Mechanics III (GES)	Mechanics III	Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Systems)												Mechanics IV	Mechanics IV	Mechanics IV								
17	Electrical Engineering I	UE 2																				Electrical Engineering II	VL 3	Mechanics III	VL 3	Mechanics IV	VL 3	Mechanics IV	UE 2
18								Electrical Engineering II	UE 2	Mechanics III	VL 3	Mechanics IV	UE 2									Mechanics IV	HÜ 1						
19										Mechanics III	VL 3	Mechanics IV	HÜ 1																
20										Mechanics III	VL 3	Mechanics IV	HÜ 1																
21	Mechanics I (GES)									Mechanics III	HÜ 1	Mechanics IV	VL 3																
22	Mechanics I	VL 2								Mechanics III	UE 2	Mechanics IV	UE 2																
23	Mechanics I	HÜ 3			Mechanics III	VL 3	Mechanics IV	HÜ 1																					
24					Mechanics III	VL 3	Mechanics IV	HÜ 1																					
25					Mechanics III	VL 3	Mechanics IV	HÜ 1																					
26					Mechanics III	VL 3	Mechanics IV	HÜ 1																					
27	Physics for Engineers (GES) (part 1)				Mechanical Engineering: Design (part 1)		Advanced Materials																						
28	Physics for Engineers	VL 2			Embodiment Design and 3D-CAD	VL 2	Advanced Materials Characterization	VL 2																					
29	Physics for Engineers	UE 1			Mechanical Design Project I	TT 3	Advanced Materials Design	VL 2																					
30			Mechanics II (GES)				Advanced Materials Design	HÜ 2																					
31			Mechanics II	VL 2																									
32			Mechanics II	HÜ 2																									
33					Fundamentals of Materials Science (part 1)																								
					Fundamentals of Materials Science I	VL 2																							
					Physical and Chemical Basics of	VL 2																							
					Materials Science																								

