

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 Product Development and Production

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/ 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	VL 4			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	HÜ 2			Computer Engineering					Computer Engineering	VL 3	Signals and Systems	Signals and Systems	VL 3	Mechanical and Process Engineers	CAE-Team Project	POL 2			
8					Linear Algebra	UE 2																Computer Engineering	UE 1	Signals and Systems
9	Linear Algebra	UE 2	Technical Thermodynamics I	Technical Thermodynamics I	VL 2	Fluid Dynamics																Fluid Mechanics	VL 3	Production Technology
10	Electrical Engineering I	VL 3					Technical Thermodynamics I	HÜ 1	Fluid Mechanics	HÜ 1	Forming and Cutting Technology	HÜ 1	Bachelor Thesis											
11							Technical Thermodynamics I	UE 1	Mathematics III	Analysis III	VL 2	Fluid Mechanics		HÜ 1	Fundamentals of Machine Tools	VL 3								
12			Technical Thermodynamics I	UE 1	Analysis III	UE 1	Mechanics III (GES)	Mechanics III									HÜ 1							
13	Electrical Engineering I	UE 2	Mathematical Analysis	VL 4	Mechanics III	UE 2							Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Systems)					Mechanics IV	VL 3					
14			Mathematical Analysis	HÜ 2	Mechanics III	VL 3			Mechanics IV	UE 2														
15			Mathematical Analysis	UE 2	Differential Equations 1	VL 2	Mechanics IV	HÜ 1																
16	Electrical Engineering I	UE 2	Differential Equations 1	UE 1	Material Science Laboratory	Companion Lecture for Materials Science Laboratory	Material Science Laboratory	PR 4																
17	Mechanics I (GES)	VL 2	Differential Equations 1	HÜ 1					Advanced Materials Characterization	VL 2														
18			Mechanics I	HÜ 3					Electrical Engineering II	Electrical Engineering II	VL 3	Advanced Materials Design	VL 2											
19														Physics for Engineers (GES) (part 1)	Physics for Engineers	VL 2	Advanced Materials Design	HÜ 2						
20	Physics for Engineers	UE 1																	Mechanics II (GES)	Mechanics II	VL 2			
21			Physics for Engineers	UE 1					Mechanics II	HÜ 2														
22					Mechanical Engineering: Design (part 1)	Embodiment Design and 3D-CAD	VL 2																	
23	Mechanics II	Mechanics II						HÜ 2																
24			Fundamentals of Materials Science (part 1)	Fundamentals of Materials Science I					VL 2															
25					Physical and Chemical Basics of	VL 2																		
26	Materials Science																							
27		Materials Science																						
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