

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

Sample course plan A 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/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	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	Material Science Laboratory	Companion Lecture for Materials Science Laboratory	VL 2									
11							Technical Thermodynamics I	UE 1	Differential Equations 1	VL 2	Fundamentals of Machine Tools	VL 3				Material Science Laboratory	Material Science Laboratory	PR 4						
12			Technical Thermodynamics I	UE 1	Differential Equations 1	UE 1	Material Science Laboratory	Material Science Laboratory	PR 4															
13	Mathematics III	Analysis III	VL 2	Analysis III	UE 1	Material Science Laboratory				Material Science Laboratory	PR 4													
14												Analysis III	HÜ 1	Material Science Laboratory	Material Science Laboratory	PR 4								
15							Differential Equations 1	VL 2	Material Science Laboratory			Material Science Laboratory	PR 4											
16	Differential Equations 1	UE 1	Material Science Laboratory	Material Science Laboratory	PR 4																			
17	Differential Equations 1	HÜ 1				Material Science Laboratory	Material Science Laboratory	PR 4																
18	Electrical Engineering I	UE 2							Mathematical Analysis	Mathematical Analysis	VL 4	Material Science Laboratory	Material Science Laboratory	PR 4										
19			Mathematical Analysis	HÜ 2	Material Science Laboratory										Material Science Laboratory	PR 4								
20			Mathematical Analysis	UE 2		Material Science Laboratory	Material Science Laboratory	PR 4																
21	Mechanics I (GES)	VL 2	Mathematical Analysis	Mathematical Analysis					UE 2	Material Science Laboratory	Material Science Laboratory	PR 4												
22					Mechanics I								HÜ 3	Material Science Laboratory	Material Science Laboratory	PR 4								
23					Mechanics I	HÜ 3	Material Science Laboratory	Material Science Laboratory					PR 4											
24	Electrical Engineering II	VL 3	Mathematical Analysis	Mathematical Analysis	UE 2	Material Science Laboratory			Material Science Laboratory	PR 4														
25											Electrical Engineering II	UE 2		Material Science Laboratory	Material Science Laboratory	PR 4								
26							Electrical Engineering II	UE 2			Material Science Laboratory	Material Science Laboratory	PR 4											
27	Physics for Engineers (GES) (part 1)	VL 2	Mathematical Analysis	Mathematical Analysis	UE 2	Material Science Laboratory	Material Science Laboratory	PR 4																
28									Physics for Engineers	UE 1				Material Science Laboratory	Material Science Laboratory	PR 4								
29									Physics for Engineers	UE 1	Material Science Laboratory	Material Science Laboratory	PR 4											
30	Physics for Engineers (GES) (part 1)	VL 2	Mathematical Analysis	Mathematical Analysis	UE 2	Material Science Laboratory	Material Science Laboratory	PR 4																
31									Mechanics II	VL 2				Material Science Laboratory	Material Science Laboratory	PR 4								
32									Mechanics II	HÜ 2	Material Science Laboratory	Material Science Laboratory	PR 4											
33	Physics for Engineers (GES) (part 1)	VL 2	Mathematical Analysis	Mathematical Analysis	UE 2	Material Science Laboratory	Material Science Laboratory	PR 4																
34									Fundamentals of Materials Science I	VL 2				Material Science Laboratory	Material Science Laboratory	PR 4								
35									Physical and Chemical Basics of	VL 2	Material Science Laboratory	Material Science Laboratory	PR 4											
36	Materials Science		Material Science Laboratory	Material Science Laboratory	PR 4																			

