

Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w17)

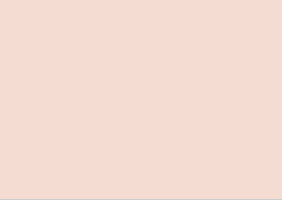
Sample course plan B Bachelor General Engineering Science (English program, 7 semester) (GESBS(7))
Specialisation Electrical Engineering

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	Semester 2	FormHrs	Semester 3	FormHrs	Semester 4	FormHrs	Semester 5	FormHrs	Semester 6	FormHrs	Semester 7	FormHrs/wk												
1	Chemistry (GES)		Technical Thermodynamics I		Technical Thermodynamics II		Theoretical Electrical Engineering I: Time-Independent Fields		Introduction to Control Systems		Foundations of Management		Advanced Internship GES													
2															Chemistry I	VL 2	Technical Thermodynamics I	VL 2	Technical Thermodynamics II	VL 2	Theoretical Electrical Engineering I: Time-Independent Fields	VL 3	Introduction to Control Systems	VL 2	Introduction to Management	VL 3
3															Chemistry II	VL 2	Technical Thermodynamics I	HÜ 1	Technical Thermodynamics II	HÜ 1	Theoretical Electrical Engineering I: Time-Independent Fields	UE 2	Introduction to Control Systems	UE 2	Management Tutorial	HÜ 2
4															Chemistry I	HÜ 1	Technical Thermodynamics I	UE 1	Technical Thermodynamics II	UE 1	Theoretical Electrical Engineering I: Time-Independent Fields	UE 2				
5															Chemistry II	HÜ 1										
6																										
7	Linear Algebra		Mathematical Analysis		Mathematics III		Signals and Systems		Introduction to Communications and Random Processes		Electrical Engineering Project Laboratory															
8														Linear Algebra	VL 4	Mathematical Analysis	VL 4	Analysis III	VL 2	Signals and Systems	VL 3	Introduction to Communications and Random Processes	VL 3	Electrical Engineering Project Laboratory	PBL8	
9														Linear Algebra	HÜ 2	Mathematical Analysis	HÜ 2	Analysis III	UE 1	Signals and Systems	UE 2	Introduction to Communications and Random Processes	HÜ 1			
10														Linear Algebra	UE 2	Mathematical Analysis	UE 2	Analysis III	HÜ 1							
11																		Differential Equations 1	VL 2							
12																		Differential Equations 1	UE 1							
13					Differential Equations 1	HÜ 1																				
14							Electrical Engineering IV: Transmission Lines and Research Seminar		Electronic Devices		Semiconductor Circuit Design															
15	Electrical Engineering I		Electrical Engineering II		Mechanics III (GES)		Transmission Line Theory		Electronic Devices		Semiconductor Circuit Design															
16														Electrical Engineering I	VL 3	Electrical Engineering II	VL 3	Mechanics III	HÜ 1	Transmission Line Theory	VL 2	Electronic Devices	PBL2	Semiconductor Circuit Design	VL 3	
17														Electrical Engineering I	UE 2	Electrical Engineering II	UE 2	Mechanics III	UE 2	Research Seminar	SE 2			Semiconductor Circuit Design	UE 1	
18																		Mechanics III	VL 3	Electrical Engineering, Computer Science, Mathematics						
19							Transmission Line Theory																			
20							Materials in Electrical Engineering		Electromagnetics for Engineers II: Time-Dependent Fields				Bachelor Thesis													
21	Mechanics I (GES)		Mechanics II (GES)		Computer Engineering		Materials in Electrical Engineering		Electromagnetics for Engineers II: Time-Dependent Fields																	
22														Mechanics I	VL 2	Mechanics II	VL 2	Computer Engineering	VL 3	Materials in Electrical Engineering	UE 2	Electromagnetics for Engineers II: Time-Dependent Fields	VL 3			
23														Mechanics I	HÜ 3	Mechanics II	HÜ 2	Computer Engineering	UE 1	Materials in Electrical Engineering	VL 1	Electromagnetics for Engineers II: Time-Dependent Fields	UE 2			
24																				Electrotechnical Experiments						
25							Mathematics IV		Measurements: Methods and Data Processing																	
26							Complex Functions	VL 2																		

27	Programming in C		Fundamentals of Mechanical Engineering (GES)	Electrical Engineering III: Circuit Theory and Transients	Complex Functions	UE 1	Measurements: Methods and Data Processing	VL 2
28	Programming in C	VL 1	Fundamentals of Mechanical Engineering	Circuit Theory	Complex Functions	HÜ 1	Measurements: Methods and Data Processing	
	Programming in C	PR 1		Circuit Theory	Differential Equations 2	VL 2	Measurements: Methods and Data Processing	UE 1
29	Physics for Engineers (GES)		Fundamentals of Mechanical Engineering	Circuit Theory	Differential Equations 2	UE 1	Measurements: Methods and Data Processing	
30	Physics for Engineers	VL 2		Circuit Theory	Differential Equations 2	HÜ 1	EE Experimental Lab	PR 2
31	Physics for Engineers	UE 1						
32								



Nontechnical Complementary Courses for Bachelors (from catalogue) - 6LP

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.