

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

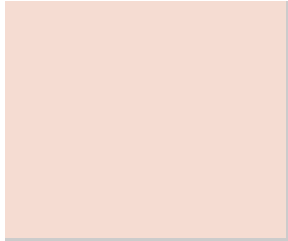
Sample course plan - Bachelor General Engineering Science (English program, 7 semester) (GESBS(7))
Specialisation Electrical Engineering

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

28	Programming in C Programming in C VL 1 Programming in C PR 1	Fundamentals of Mechanical Engineering (GES) Fundamentals of Mechanical Engineering VL 2	Electrical Engineering III: Circuit Theory and Transients Circuit Theory VL 3 Circuit Theory UE 2	Complex Functions UE 1 Complex Functions HÜ 1 Differential Equations VL 2 Differential Equations UE 1 Differential Equations HÜ 1
29	Physics for Engineers (GES) Physics for Engineers VL 2 Physics for Engineers UE 1	Fundamentals of Mechanical Engineering UE 2		
30				
31				
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.