

Course of Study General Engineering Science (English program, 7 semester) (Study Cohort w18)

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	Form	Semester 2	Form	Semester 3	Form	Semester 4	Form	Semester 5	Form	Semester 6	Form	Semester 7	Form						
1	Chemistry (GES)	VL 2	Technical Thermodynamics I	VL 2	Technical Thermodynamics II	VL 2	Signals and Systems	VL 3	Introduction to Control Systems	VL 2	Foundations of Management	VL 3	Advanced Internship AIW/ GES	Form						
2															Chemistry I	Technical Thermodynamics I	Technical Thermodynamics II	Signals and Systems	Introduction to Control Systems	Foundations of Management
3															Chemistry II	Technical Thermodynamics I	Technical Thermodynamics II	Signals and Systems	Introduction to Control Systems	Foundations of Management
4															Chemistry I	Technical Thermodynamics I	Technical Thermodynamics II	Signals and Systems	Introduction to Control Systems	Foundations of Management
5															Chemistry I	Technical Thermodynamics I	Technical Thermodynamics II	Signals and Systems	Introduction to Control Systems	Foundations of Management
6															Chemistry II	Technical Thermodynamics I	Technical Thermodynamics II	Signals and Systems	Introduction to Control Systems	Foundations of Management
7	Linear Algebra	VL 4	Mathematical Analysis	VL 4	Mathematics III	VL 2	Materials in Electrical Engineering	VL 2	Introduction to Communications and Random Processes	VL 3	Electrical Engineering Project Laboratory	PBL8	Form							
8														Linear Algebra	Mathematical Analysis	Analysis III	Materials in Electrical Engineering	Introduction to Communications and Random Processes	Electrical Engineering Project Laboratory	
9														Linear Algebra	Mathematical Analysis	Analysis III	Materials in Electrical Engineering	Introduction to Communications and Random Processes	Electrical Engineering Project Laboratory	
10														Linear Algebra	Mathematical Analysis	Analysis III	Materials in Electrical Engineering	Introduction to Communications and Random Processes	Electrical Engineering Project Laboratory	
11														Linear Algebra	Mathematical Analysis	Differential Equations 1	Electrotechnical Experiments	Introduction to Communications and Random Processes	Electrical Engineering Project Laboratory	
12														Linear Algebra	Mathematical Analysis	Differential Equations 1	Electrotechnical Experiments	Introduction to Communications and Random Processes	Electrical Engineering Project Laboratory	
13	Electrical Engineering I	VL 3	Electrical Engineering II	VL 3	Mechanics III (GES)	HÜ 1	Mathematics IV	VL 2	Electronic Devices	VL 3	Semiconductor Circuit Design	VL 3	Form							
14														Electrical Engineering I	Electrical Engineering II	Mechanics III	Complex Functions	Electronic Devices	Semiconductor Circuit Design	
15														Electrical Engineering I	Electrical Engineering II	Mechanics III	Complex Functions	Electronic Devices	Semiconductor Circuit Design	
16														Electrical Engineering I	Electrical Engineering II	Mechanics III	Differential Equations 1	Electronic Devices	Semiconductor Circuit Design	
17														Electrical Engineering I	Electrical Engineering II	Mechanics III	Differential Equations 2	Electronic Devices	Semiconductor Circuit Design	
18														Electrical Engineering I	Electrical Engineering II	Mechanics III	Differential Equations 2	Electronic Devices	Semiconductor Circuit Design	
19	Mechanics I (GES)	VL 2	Mechanics II (GES)	VL 2	Computer Engineering	VL 3	Introduction to Waveguides, Antennas, and Electromagnetic Compatibility	VL 3	Electromagnetics for Engineers II: Time-Dependent Fields	VL 3			Bachelor Thesis							
20														Mechanics I	Mechanics II	Computer Engineering	Introduction to Waveguides, Antennas, and Electromagnetic Compatibility	Electromagnetics for Engineers II: Time-Dependent Fields		
21														Mechanics I	Mechanics II	Computer Engineering	Introduction to Waveguides, Antennas, and Electromagnetic Compatibility	Electromagnetics for Engineers II: Time-Dependent Fields		
22														Mechanics I	Mechanics II	Computer Engineering	Introduction to Waveguides, Antennas, and Electromagnetic Compatibility	Electromagnetics for Engineers II: Time-Dependent Fields		
23														Mechanics I	Mechanics II	Computer Engineering	Introduction to Waveguides, Antennas, and Electromagnetic Compatibility	Electromagnetics for Engineers II: Time-Dependent Fields		
24														Mechanics I	Mechanics II	Computer Engineering	Introduction to Waveguides, Antennas, and Electromagnetic Compatibility	Electromagnetics for Engineers II: Time-Dependent Fields		

25				Waveguides, Antennas, and Electromagnetic Compatibility	
26				Electromagnetics for Engineers I: Time-Independent Fields	
27	Programming in C	Fundamentals of Mechanical Engineering (GES)	Electrical Engineering III: Circuit Theory and Transients	Electromagnetics for Engineers I: Time-Independent Fields	VL 3
28	Programming in C VL 1 Programming in C PR 1	Fundamentals of Mechanical Engineering VL 2	Circuit Theory VL 3 Circuit Theory UE 2	Electromagnetics for Engineers I: Time-Independent Fields	UE 2
29	Physics for Engineers (GES)	Fundamentals of Mechanical Engineering UE 2			
30	Physics for Engineers VL 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.