

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

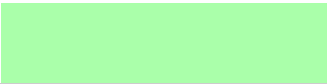
Sample course plan - Bachelor General Engineering Science (English program) (GESBS)  
Specialisation Civil- and Environmental Engineering

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	<b>Chemistry (GES)</b>		<b>Physics for Engineers (GES) (part 2)</b>		<b>Technical Thermodynamics II</b>		<b>Foundations of Management</b>		<b>Introduction to Control Systems</b>		<b>Sanitary Engineering</b>							
2	Chemistry I	VL 2	Physics-Lab for ET/IIW-Engineers	PR 1	Technical Thermodynamics II	VL 2	Introduction to Management	VL 4	Introduction to Control Systems	VL 2	Wastewater Disposal	VL 2						
3	Chemistry II	VL 2	<b>Fundamentals of Mechanical Engineering Design</b>	Fundamentals of Mechanical Engineering Design	Technical Thermodynamics II	HÜ 1	Project Entrepreneurship	POL 2	Introduction to Control Systems	UE 2	Wastewater Disposal	HÜ 1						
4	Chemistry I	HÜ 1			Technical Thermodynamics II	UE 1					Drinking Water Supply	VL 2						
5	Chemistry II	HÜ 1									Drinking Water Supply	HÜ 1						
6																		
7	<b>Linear Algebra</b>										<b>Computer Engineering</b>		<b>Reinforced Concrete I</b>		<b>Principles of Building Materials and Building Physics</b>		<b>Hydraulic Engineering II</b>	
8	Linear Algebra	VL 4									Computer Engineering	VL 3	Reinforced Concrete Design I	VL 2	Principles of Building Materials	VL 2	Hydraulics	VL 1
9	Linear Algebra	HÜ 2	<b>Technical Thermodynamics I</b>	Technical Thermodynamics I	Computer Engineering	UE 1	Reinforced Concrete Design I	HÜ 2	Building Physics	VL 2	Hydraulics	HÜ 1						
10	Linear Algebra	UE 2			Technical Thermodynamics I	VL 2			Project Seminar Concrete I	SE 1	Building Physics	HÜ 1	Hydraulic Engineering	VL 2				
11					Technical Thermodynamics I	HÜ 1					Building Physics	UE 1	Hydraulic Engineering	HÜ 1				
12					Technical Thermodynamics I	UE 1												
13							<b>Mathematics III</b>		<b>Signals and Systems</b>		<b>Steel Structures I</b>		<b>Bachelor Thesis</b>					
14							Analysis III	VL 2	Signals and Systems	VL 3	Steel Structures I	VL 2						
15	<b>Electrical Engineering I</b>		<b>Mathematical Analysis</b>		Analysis III	UE 1	Signals and Systems	HÜ 1	Steel Structures I	HÜ 2								
16	Electrical Engineering I	VL 3	Mathematical Analysis	VL 4	Differential Equations 1	VL 2												
17	Electrical Engineering I	UE 2	Mathematical Analysis	HÜ 2	Differential Equations 1	UE 1												
18			Mathematical Analysis	UE 2	Differential Equations 1	HÜ 1												
19							<b>Geotechnics I</b>		<b>Concrete Structures II</b>									
20							Soil Mechanics	VL 2	Concrete Structures II	VL 3								
21	<b>Mechanics I (GES)</b>				<b>Mechanics III (GES)</b>		Soil Mechanics	HÜ 2	Concrete Structures II	HÜ 1								
22	Mechanics I	VL 2			Mechanics III	HÜ 1	Soil Mechanics	POL 2	Project Concrete Structures II	PS 1								
23	Mechanics I	HÜ 3	<b>Electrical Engineering II</b>	Electrical Engineering II	Mechanics III	UE 2												
24					Electrical Engineering II	VL 3	Mechanics III	VL 3										
25					Electrical Engineering II	UE 2												
26									<b>Structural Analysis II</b>		<b>Hydraulic Engineering I</b>							
27	<b>Physics for Engineers (GES) (part 1)</b>						<b>Structural Analysis I</b>		Structural Analysis II	VL 2	Hydromechanics	VL 2						
28	Physics for Engineers	VL 2					Structural Analysis I	VL 2	Structural Analysis II	HÜ 2	Hydromechanics	HÜ 1						
29	Physics for Engineers	UE 1	<b>Mechanics II (GES)</b>	Mechanics II	Structural Analysis I	HÜ 2			Hydrology	VL 1								
30					Mechanics II	VL 2				Hydrology	POL 1							
31					Mechanics II	HÜ 2												
32											<b>Geotechnics II</b>							
33											Foundation Engineering	VL 2						
34											Foundation Engineering	HÜ 2						
									Foundation Engineering	POL 2								

35	<b>Programming in C</b>	
36	Programming in C	VL 1
	Programming in C	PR 1



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.