

Course of Study General Engineering Science (English program) (Study Cohort w15)

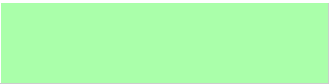
Sample course plan - Bachelor General Engineering Science (English program) (GESBS)
Specialisation Civil- and Environmental Engineering

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

35	Programming in C	
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.