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

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

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	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk	Semester 5	Form	Hrs/wk	Semester 6	Form	Hrs/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	Fundamentals of Mechanical Engineering Design	VL	2	Technical Thermodynamics II	UE	1							Drinking Water Supply	VL	2
5	Chemistry II	HÜ	1													Drinking Water Supply	HÜ	1
6				Fundamentals of Mechanical Engineering Design	HÜ	2												
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	**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							**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									
25				Electrical Engineering II	UE	2				**Structural Analysis II**			**Hydraulic Engineering I**					
26										Structural Analysis II	VL	2	Hydromechanics	VL	2			
27	**Physics for Engineers (GES) (part 1)**						**Structural Analysis I**			Structural Analysis II	HÜ	2	Hydromechanics	HÜ	1			
28	Physics for Engineers	VL	2				Structural Analysis I	VL	2				Hydrology	VL	1			
29	Physics for Engineers	UE	1	**Mechanics II (GES)**			Structural Analysis I	HÜ	2				Hydrology	POL	1			
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.