

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 Civil 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	Building Materials and Building Chemistry Building Materials and Building Chemistry Building Materials and Building Chemistry Building Chemistry	Computer Engineering Computer Engineering Computer Engineering	Foundations of Management Introduction to Management Management Tutorial	Advanced Internship AIW/ GES									
2								VL 2	VL 2	VL 2	VL 4	VL 3				
3								VL 2	VL 2	VL 2	VL 4	VL 3				
4								HÜ 1	HÜ 1	HÜ 1	UE 1	UE 1				
5								HÜ 1	HÜ 1	HÜ 1	UE 1	UE 2				
6								HÜ 1	UE 1	UE 1	UE 1	UE 2				
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 Differential Equations 1 Differential Equations 1 Differential Equations 1	Reinforced Concrete I Reinforced Concrete Design I Reinforced Concrete Design I Project Seminar Concrete I	Introduction to Control Systems Introduction to Control Systems Introduction to Control Systems	Structural Design Basics of Structural Design Basics in Structural Design Basics in Structural Design	Bachelor Thesis									
8								VL 4	VL 4	VL 2	VL 2	VL 2				
9								HÜ 2	HÜ 2	UE 1	HÜ 2	UE 2				
10								HÜ 2	HÜ 2	UE 1	HÜ 2	UE 2				
11								UE 2	UE 2	HÜ 1	HÜ 2	UE 2				
12										VL 2	SE 1					
13										UE 1						
14										HÜ 1	Geotechnics I Soil Mechanics Soil Mechanics Soil Mechanics					
15											VL 2 HÜ 2 UE 2	VL 2 HÜ 1 PBL2				
16								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	Structural Analysis II Structural Analysis II Structural Analysis II	Steel Structures I Steel Structures I Steel Structures I				
17													VL 3	VL 3	HÜ 1	VL 2
18													UE 2	UE 2	UE 2	HÜ 2
19										VL 3						
20								Mechanics I (GES) Mechanics I Mechanics I	Mechanics II (GES) Mechanics II Mechanics II	Principles of Building Materials and Building Physics Principles of Building Materials Building Physics Building Physics Building Physics	Hydromechanics and Hydrology Hydromechanics Hydromechanics Hydrology Hydrology					
21	VL 2	VL 2	VL 2	VL 2												
22	HÜ 3	HÜ 2	HÜ 1	HÜ 2												
23			VL 2	VL 2												
24			HÜ 1	PBL1												
25			UE 1	VL 1												
26			UE 1	PBL1												
27	Programming in C Programming in C Programming in C	Fundamentals of Mechanical Engineering (GES) Fundamentals of Mechanical Engineering	Structural Analysis I Structural Analysis I Structural Analysis I	Hydrology Hydrology												
28					VL 1	VL 2	VL 1									
29		VL 2	HÜ 2	PBL1												
30	Physics for Engineers (GES)	Engineering														

31	Physics for Engineers	VL 2	Fundamentals of	UE 2	
32	Physics for Engineers	UE 1	Mechanical Engineering		

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.