

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

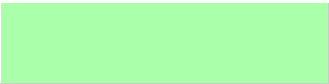
Sample course plan - Bachelor General Engineering Science (English program) (GESBS)
Specialisation Computer Science and Engineering

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		Stochastics			
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	Stochastics	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	Stochastics	UE 2		
4	Chemistry I	HÜ 1			Technical Thermodynamics II	UE 1								
5	Chemistry II	HÜ 1												
6														
7	Linear Algebra					Computer Engineering			Objectoriented Programming, Algorithms and Data Structures		Databases		Operating Systems	
8	Linear Algebra	VL 4				Computer Engineering		VL 3	Objectoriented Programming, Algorithms and Data Structures	VL 4	Databases	VL 4	Operating Systems	VL 2
9	Linear Algebra	HÜ 2	Technical Thermodynamics I		Computer Engineering	UE 1	Objectoriented Programming, Algorithms and Data Structures	UE 1	Databases	POL 1	Operating Systems	UE 2		
10	Linear Algebra	UE 2												
11														
12														
13						Mathematics III		Logic, Automata and Formal Languages		Numerical Mathematics I		Bachelor Thesis		
14						Analysis III	VL 2	Logic, Automata Theory and Formal Languages	VL 2	Numerical Mathematics I	VL 2			
15	Electrical Engineering I		Mathematical Analysis		Analysis III	UE 1	Logic, Automata Theory and Formal Languages	UE 2	Numerical Mathematics I	UE 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							Signals and Systems		Computer Architecture					
20							Signals and Systems	VL 3	Computer Architecture	VL 2				
21	Mechanics I (GES)		Electrical Engineering II		Mechanics III (GES)		Signals and Systems	HÜ 1	Computer Architecture	UE 2				
22	Mechanics I	VL 2				Mechanics III	HÜ 1							
23	Mechanics I	HÜ 3				Mechanics III	UE 2							
24						Mechanics III	VL 3							
25								Graph Theory and Optimization		Seminars Computer Science and Mathematics				
26								Graph Theory and Optimization	VL 2	Selection from a catalog				
27	Physics for Engineers (GES) (part 1)		Mechanics II (GES)		Discrete Algebraic Structures		Graph Theory and Optimization	UE 2						
28	Physics for Engineers	VL 2				Discrete Algebraic Structures	VL 2							
29	Physics for Engineers	UE 1				Discrete Algebraic Structures	UE 2							
30														
31										Computernetworks and Internet Security				
32										Computer Networks and Internet Security	VL 3			
33									Computer Networks and Internet Security	UE 1				
34									Security					

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.