

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

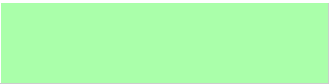
Sample course plan - Bachelor General Engineering Science (English program) (GESBS)
Specialisation Computer Science and Engineering

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

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.