Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w18)

Sample course plan T Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7))
Specialisation Computer Science

#	Semester 1 FormHrs/wk	Semester 2 FormHrs/wk	Semester 3 FormHrs/wk	Semester 4 FormHrs/wk	Semester 5 FormHrs/wk	Semester 6 FormHrs/wk	Semester 7 FormHrs/wk
1	**Chemistry**	**Electrical Engineering II: Alternating Current Networks and Basic Devices**	**Technical Thermodynamics II**	**Objectoriented Programming, Algorithms and Data Structures**	**Introduction to Control Systems**	**Foundations of Management**	**Advanced Internship AIW/ ES**
2	Chemistry I VL 2	Electrical Engineering II: Alternating VL 3	Technical Thermodynamics II VL 2	Objectoriented Programming, Algorithms VL 4	Introduction to Control Systems VL 2	Introduction to Management VL 3	Advanced Internship AIW/ ES: SE 1
3	Chemistry II VL 2	Current Networks and Basic Devices	Technical Thermodynamics II HÜ 1	and Data Structures	Introduction to Control Systems GÜ 2	Management Tutorial GÜ 2	Preparation
4	Chemistry I HÜ 1	Electrical Engineering II: Alternating GÜ 2	Technical Thermodynamics II GÜ 1	Objectoriented Programming, Algorithms GÜ 1			Advanced Intenship AIW/ ES: Internship- SE 1
5	Chemistry II HÜ 1	Current Networks and Basic Devices		and Data Structures			accompanying Seminar
6							
7	**Electrical Engineering I: Direct Current Networks and Electromagnetic Fields**	**Fundamentals of Mechanical Engineering Design**	**Mathematics III**	**Signals and Systems**	**Numerical Mathematics I**	**Operating Systems**	
8	Electrical Engineering I: Direct Current VL 3	Fundamentals of Mechanical Engineering VL 4	Analysis III VL 2	Signals and Systems VL 3	Numerical Mathematics I VL 2	Operating Systems VL 2	
9	Networks and Electromagnetic Fields	Design	Analysis III GÜ 1	Signals and Systems GÜ 2	Numerical Mathematics I GÜ 2	Operating Systems GÜ 2	
10	Electrical Engineering I: Direct Current GÜ 2	Fundamentals of Mechanical Engineering HÜ 2	Analysis III HÜ 1				
11	Networks and Electromagnetic Fields	Design	Differential Equations 1 VL 2				
12			Differential Equations 1 GÜ 1				
			Differential Equations 1 HÜ 1				
13	**Mathematics I**	**Technical Thermodynamics I**		**Stochastics**	**Computer Architecture**	**Lab Cyber-Physical Systems**	
14	Linear Algebra I VL 2	Technical Thermodynamics I VL 2		Stochastics VL 2	Computer Architecture VL 2	Lab Cyber-Physical Systems PBL 4	
15	Linear Algebra I GÜ 1	Technical Thermodynamics I HÜ 1	**Mechanics III (Hydrostatics, Kinematics, Kinetics I)**	Stochastics GÜ 2	Computer Architecture PBL 2		
16	Linear Algebra I HÜ 1	Technical Thermodynamics I GÜ 1			Computer Architecture GÜ 1		
17	Analysis I VL 2		Mechanics III VL 3				
18	Analysis I GÜ 1		Mechanics III GÜ 2				
	Analysis I HÜ 1		Mechanics III HÜ 1				
19		**Mechanics II: Mechanics of Materials**		**Graph Theory and Optimization**	**Computernetworks and Internet Security**		**Bachelor Thesis**
20		Mechanics II VL 2		Graph Theory and Optimization VL 2	Computer Networks and Internet Security VL 3		
21	**Mechanics I (Statics)**	Mechanics II GÜ 2		Graph Theory and Optimization GÜ 2	Computer Networks and Internet Security GÜ 1		
22	Mechanics I VL 2	Mechanics II HÜ 2	**Computer Engineering**				
23	Mechanics I GÜ 2		Computer Engineering VL 3				
24	Mechanics I HÜ 1		Computer Engineering GÜ 1				
25		**Mathematics II**		**Embedded Systems**	**Seminars Computer Science**		
26		Linear Algebra II VL 2		Embedded Systems VL 3	Introductory Seminar Computer Science SE 2		
27	**Programming in C**	Linear Algebra II GÜ 1		Embedded Systems GÜ 1	II		
28	Programming in C VL 1	Linear Algebra II HÜ 1	**Discrete Algebraic Structures**		Introductory Seminar Computer Science I SE 2		
29	Programming in C PR 1	Analysis II VL 2	Discrete Algebraic Structures VL 2				
30	**Physics for Engineers (AIW)**	Analysis II HÜ 1	Discrete Algebraic Structures GÜ 2				
31	Physics for Engineers VL 2	Analysis II GÜ 1					
32	Physics for Engineers GÜ 1						

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.