Course of Study Data Science (Study Cohort w21)

Mathematic Science   Secretary   Secreta		e course plan A Bachelor Data Sci	ence (DSBS) Dual study progra	am				Core Qualification Elective Cor	npulsory Specialisation Elective Compulsory	Focus Elective	Compulsory Interdisciplinary com	nplement
Mathematical (CP)   Approximating for Computer Engineers (CP)   2   Approximating Function (CP)   2   Appr	pecial	isation <sub>1</sub> Mechanics 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/w
Classes   Clas	1	Discrete Algebraic Structures	Automata Theory and Formal Languages		Databases		Signals and Systems		Introduction to Information Security		Seminars Computer Science	
Methodic Registration   Forward Engineers	2											SE 2
Machine Trougher Information (Compute Programming to Computation (or Compute Programming to Computation (or Computation (or Computation (or Computation))	3	Discrete Algebraic Structures GÜ	Automata Theory and Formal Languages	GÜ 2	Databases	GÜ 1	Signals and Systems	GÜ 2	Introduction to Information Security	GÜ 2	Introductory Seminar Computer Science I	SE 2
Machine Trougher Information (Compute Programming to Computation (or Compute Programming to Computation (or Computation (or Computation (or Computation))	4											
Machine Trougher Information (Compute Programming to Computation (or Compute Programming to Computation (or Computation (or Computation (or Computation))	5											
Machine Trougher Information (Compute Programming to Computation (or Compute Programming to Computation (or Computation (or Computation (or Computation))	6											
Machine Trougher Information (Compute Programming to Computation (or Compute Programming to Computation (or Computation (or Computation (or Computation))	7											
Management of Computer Engineers   PI   2   Substitution   PI   2   Substitu				VII 2		VII 2			-	VII 2	•	VL 2
Purcelarial Programming for Computer Frightness   Pin   2   Purpersonant Programming Paradigms   Pin   Purpersonant Programming Paradigms   Pin   Purpersonant Programming Paradigms   Pin   Purpersonant Programming   Pin	8											SE 2
Mathematics   (Et)	9			00 1	Temerical Facilities	00 2	Hanagement rational	30 1	Buttu Milling	152 2	Edited in information recimology	32 2
Mathomatics   (Eth)	10											
Mathematics   (EH)	11											
Adalysis   W. 2   Programming Pandigms   W. 2   Algorithms and Dala's Structures   W. 4   Analysis   W. 1   Programming Pandigms   W. 2   Algorithms and Dala's Structures   W. 4   Caph Theory and Optimization   W. 2   Machine Learning   I. V. 2	12											
Applying   V   2   Applying	13	Mathematics I (EN)	Programming Paradigms		Algorithms and Data Structures		Graph Theory and Optimiza	tion	Machine Learning II			
Adaylys	14	Analysis I VL :		VL 2		VL 4			Machine Learning II	VL 2		
Class Algebra   V.   2   2   2   2   2   2   2   2   2		Analysis I HŪ :	Programming Paradigms	HÜ 1	Algorithms and Data Structures	GÜ 1	Graph Theory and Optimization	GÜ 2	Machine Learning II	GÜ 2		
Unear Algebra   H0   1   Unear Algebra   H0   1   Unear Algebra   H0   1   Hathematics   I (EN)   Statistics   Scientific Programming   U. 3   Scientific Programming   U. 3   Functional Programming   U. 3   Functional Programming   U. 3   Functional Programming   U. 3   Functional Programming   U. 2   University	15			PR 2								
Company   Comp	16	-										
Mathematics	17											
Analysis II VL 2 Statistics VL 3 Scientific Programming VL 3 Functional Programming VL 2 Functional Programming VL	18	Linear Algebra 1										
Mechanics   Statiscs   Mechanics   Mecha	19		Mathematics II (EN)		Statistics		Scientific Programming		Functional Programming			
Mechanics   Statics   Makylis   Si   Si   Si   Si   Si   Si   Si	20		Analysis II		Statistics	VL 3	Scientific Programming		Functional Programming			
Mechanics   VL   2   Linear Algebra   II   VL   2   Machinics   II	21	Mechanics I (Statics)			Statistics	GÜ 1	Scientific Programming	GÜ 2				
Mechanics   GÜ   Z   Linear Algebra   I   HÜ   1   Linear Algebra   I   HÜ   1   Linear Algebra   I   Linear Alg	22	Mechanics I VL							Pulicuonal Programming	GU 2		
Linear Algebra		Mechanics I GÜ :										
Mechanics II: Mechanics III (EN)  Mechanics II: Mechanics of Materials  Mechanics II (EN)  Analysis III	23	Mechanics I HŪ :	Linear Algebra II	GÜ 1								
Mechanics II: Mechanics of Materials	24											
Mechanics II: Mechanics of Materials	25					VII 2		VII 2		VII 2		
Mechanics II: Mechanics of Materials  Mechanics II VL 2 Differential Equations 1 Mechanics II HÜ 1 Mechanics II HÜ 2 Differential Equations 1 Mechanics II HÜ 2 Differential Equations 1 Mechanics II HÜ 1 Mechanics II HÜ 2 Differential Equations 1 Mechanics II HÜ 1 Differential Equations 1 Mechanics II HÜ 1 Mechanics III HÜ 1 Mechanics II HÜ 1 Mechani	26						-					
Mechanics II GÜ 2 Differential Equations 1 HÜ 1 Differential Equations 1 GÜ 1  Mechanics II HÜ 2 Differential Equations 1 GÜ 1  Differential Equations 1 GÜ 1	27											
Mechanics II HÜ 2 Differential Equations 1 GÜ 1	28											
	29											
	30				Differential Equations 1	GU 1						
	31											
	32											
	JE	Non-technical Courses for Book 1 (6)	antalanus) CLD									

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