Course of Study Data Science (Study Cohort w21)

		<u> </u>			- ()			Qualification Compulsory	Specialisation Compulsory specialisation Elective Compulsory	Focus Computer		nnloment
	e course plan B Bachelor Dat		· ,									
eciai	lisation ₁ Medicine	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 Hr
	Discrete Algebraic Structures		Automata Theory and Formal Languages		Databases		Signals and Systems		Introduction to Information Security		Seminars Computer Science	
	Discrete Algebraic Structures	VL 2	Automata Theory and Formal Languages	VL 2	Databases	VL 3	Signals and Systems	VL 3	Introduction to Information Security	VL 2	Introductory Seminar Computer Science II	SE
	Discrete Algebraic Structures	GÜ 2	Automata Theory and Formal Languages	GÜ 2	Databases	GŪ 1	Signals and Systems	GÜ 2	Introduction to Information Security	GÜ 2	Introductory Seminar Computer Science I	SE
Ļ												
5												
5												
,	Procedural Programming for Computer Engi	neers	Stochastics		Numerical Mathematics I		Foundations of Management		Data Mining		Ethics in Information Technology	
	Procedural Programming for Computer Engineers	VL 1	Stochastics	VL 2	Numerical Mathematics I	VL 2	Introduction to Management	VL 3	Data Mining	VL 2	Ethics in Information Technology	VL
	Procedular Programming for Computer Engineers		Stochastics	GÜ 2	Numerical Mathematics I	GŪ 2	Management Tutorial	GÜ 2	Data Mining	PBL 2	Ethics in Information Technology	SE
)	Procedural Programming for Computer Engineers	PR 2										
.0												
11												
12												
.3	Mathematics I (EN)		Programming Paradigms		Algorithms and Data Structures		Graph Theory and Optimization		Machine Learning II		Enhanced Fundamentals of Materials So	cience
4	Analysis I	VL 2	Programming Paradigms	VL 2	Algorithms and Data Structures	VL 4	Graph Theory and Optimization	VL 2	Machine Learning II	VL 2	Materials for Energy Storage and Conversion	n VL
	Analysis I	HŪ 1	Programming Paradigms	HÜ 1	Algorithms and Data Structures	GŪ 1	Graph Theory and Optimization	GÜ 2	Machine Learning II	GÜ 2	Enhanced Fundamentals: Ceramics and	VL
5	Analysis I	GÜ 1	Programming Paradigms	PR 2							Polymers	
.6	Linear Algebra I	VL 2 HŪ 1									Enhanced Fundamentals: Ceramics and Polymers	ΗÜ
17	Linear Algebra I Linear Algebra I	HU I GÜ 1									- orymens	
18												
L9			Mathematics II (EN)		Statistics		Scientific Programming		Introduction to Communications and Ran	dom	Bachelor Thesis	
20			Analysis II	VL 2	Statistics	VL 3	Scientific Programming	VL 3	Processes			
21			Analysis II	HÜ 1	Statistics	GŪ 1	Scientific Programming	GÜ 2	Introduction to Communications and Random	VL 3		
	MED II: Introduction to Biochemistry and Mo Biology	lecular	Analysis II	GÜ 1					Processes Introduction to Communications and Random	HÜ 1		
22	Introduction to Biochemistry and Molecular	VL 2	Linear Algebra II Linear Algebra II	VL 2 HÜ 1					Processes	HU I		
23	Biology		Linear Algebra II	GÜ 1					Introduction to Communications and Random	GÜ 1		
24									Processes			
25					Mathematics III (EN)		Machine Learning I					
26					Analysis III	VL 2	Machine Learning I	VL 2				
					Analysis III	HÜ 1	Machine Learning I	GÜ 2				
7			MED I: Introduction to Anatomy		Analysis III	GŪ 1						
8			Introduction to Anatomy	VL 2	Differential Equations 1	VL 2						
9					Differential Equations 1 Differential Equations 1	HÜ 1 GÜ 1						
30	1		MED I: Introduction to Radiology and Radia	tion	onici cittali Equationa E	00 1						
31			Therapy				MED II: Introduction to Physiology					
			Introduction to Radiology and Radiation Therapy	VL 2			Introduction to Physiology	VL 2				
32												
3												
	Non-technical Courses for Bachelor	(from ca	taloque) - 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.