

		Curriculum: Data Science (DS)					
		Module title	Workload	ModuleECTS	Course Unit	Course Unit ECTS	
		Communication, Culture and Citizenship F4	42	2	Communication, Culture and Citizenship F4	2	
		Intellectual Property Law	9	0.5	Project Management and Steering	0.5	
		Information Systems (IS) Architecture I	42	4			
		Service-Oriented Architecture (SOA)	30	2	N-Tier Architectures	6	
		Graphs and applications	21	2			
		Linear Programming	21	2			
		Operations Research and complexity Project	21	1	Operations Reseach	5	
		Service and Network Administration	21	2	Systems and Network Administration	2	
		Statistics	42	4			
		Probability 1	42	4	Probability et statistics	8	
		Machine Learning	30	3	Data Analysis	3	
	Semester 7	Industry Immersion Internship			Industry Immersion Internship	3	
		Computer Security	21	2			
		Database Administration	21	2			
		Advanced Operating System	30	2	Systems and Network Administration	6	
		English For Engineers	42	3	English For Engineers	3	
		Information Systems (IS) Architecture II	42	4	N-Tier Architectures	4	
		Project Management	21	1.5			
		Innovation and Entrepreneurship (Ingrated Project)	15	3	Project Management and Steering	4.5	
		Big Data Analytics	42	3			
		Deep Learning	21	2	Database Analysis	5	
	Semester 8	Data Science Project	84	8	Data Science Project	8	
		Personnal Skills A	12	2	Personnal Skills A	2	
		Personnal Skills F	12	2	Personnal Skills F	2	
		AI & Cognition Project	21	4			
		NoSql Databases	21	2	Data Processing	6	
		Deep Learning 2	21	3			
		Time Series	30	4	Data Modeling	7	
		Optimization for ML	21	4			
		Probability 2	30	4	Random Models and Optimisation	8	
	Semester 9	Engineering Internship	30		Engineering Internship	5	
	Semester 10	End of studies Project	99		End of studies Project	30	
						120	Total ECTS