

Schematic Study Scheme

Semester

MSc Degree in **Data Engineering** (120 CP)

4	Master Thesis (m, 30 CP)									
3	Data Acquisition Technologies and Sensor Networks (m, 5 CP)	Data Visualization and Image Processing (m, 5 CP)	Computer Science Track* (me)	Geo-Informatics Track* (me)	Bio-Informatics Track* (me)	Business & Supply Chain Engineering Track* (me)	Methods* (me, 5 CP)	Data Engineering Advanced Project II (m, 5 CP)	Language (m, 2.5 CP)	Ethics and the Information Revolution (m, 2.5 CP)
2	IT-Law (m, 2.5 CP)	Machine Learning (m, 5 CP)					Methods* (me, 5 CP)	Data Engineering Advanced Project I (m, 5 CP)	Language (m, 2.5 CP)	Acad. Writing Skills / Intercult. Training (m, 5 CP)
	Data Security & P. (m, 2.5 CP)						Intro to Data Management with Python* (m, 5 CP)	Current Topics in Data Engineering (m, 5 CP)	Language (m, 2.5 CP)	Communication & Presentation Skills (m, 2.5 CP)
1	The Big Data Challenge (m, 5 CP)	Data Analytics (m, 5 CP)								
Area	CORE 30 CP		ELECTIVE AREA 15 CP			METHODS 15 CP	DISCOVERY 15 CP	CAREER 15 CP		

* Choose freely from a portfolio of offered modules in the respective area.

m = mandatory

me = mandatory elective