CONSTRUCTOR UNIVERSITY

Master Degree in Data Engineering (120 CP)

	CORE		Elective Area				Methods	Discovery	Career	
4th Semester	Master Thesis / Seminar m, 30 CP									
3rd Semester	Data Acquisition Technologies and Sensor Network m, 5 CP	Image Processing for Data Engineers m, 5 CP	Computer Science Track * me, 5 CP	Geo-Informatics Track * me, 5 CP	Bio-Informatics Track * me, 5 CP	Business & Supply Chain Engineering Track * me, 5 CP	Methods* me, 5 CP	Data Engineering Advanced Project II m, 5 CP	German III me, 2.5 CP	Ethics and the Information Revolution m, 2.5 CP
2nd Semester	IT-Law m, 2.5 CP Data Security & Privacy m, 2.5 CP	Machine Learning m, 5 CP					Methods* me, 5 CP	Data Engineering Advanced Project I m, 5 CP	German II me, 2.5 CP	Acad.Writing Skills/ Intercult. Training m, 2.5 CP
1st Semester	The Big Data Challenge m, 5 CP	Data Analytics m, 5 CP					Intro to Data Management with Python* m, 5 CP	Current Topics in Data Engineering m, 5 CP	German I me, 2.5 CP	Communication & Presentation Skills m, 2.5 CP

CP: Credit Points
m: mandatory
me: mandatory elective

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