

M.Sc. Data Science - Application Area: Engineering

	1. Semester (Summer)	2. Semester (Winter)	3. Semester (Summer)	4. Semester (Winter)	
Computer Science	RampUp Computer Science 10 ECTS	Elective Course Computer Science 5 ECTS Elective Course Computer Science 5 ECTS	Seminar Computer Science 5 ECTS Elective Course Computer Science 5 ECTS Elective Course Computer Science 5 ECTS		35 ECTS
Mathematics	Elective Course 1 Mathematics 10 ECTS Elective Course 1 Mathematics 10 ECTS	Practical Course Mathematics 5 ECTS		Master Thesis 30 ECTS	55 ECTS
Application Area		Machine Learning 5 ECTS Introduction to Finite Elements 5 ECTS	Deep Learning in Remote Sensing 5 ECTS Fundamentals of Turbulence Modeling 5 ECTS		20 ECTS
Ethics and Compulsory Courses		Ethics and Epistemology 5 ECTS	Scientific and Method-Oriented Working 5 ECTS		10 ECTS
Total	30 ECTS	30 ECTS	30 ECTS	30 ECTS	120 ECTS
Compulsory modules Elective modules					