

Programme structure – Data Science (M. Sc.)

Frameworks & Application Development for Data Science	Big Data Technologies	Semester abroad OR Research project (5 ECTS), Soft skill course (5 ECTS)	Colloquium
Preparation and Analysis of Data	Data Visualization		Master's thesis
Mathematics for Data Science	Data Mining and Predictive Analytics	<ul style="list-style-type: none"> Soft skill course (5 ECTS) 2 mandatory courses Master AI/GSD (2·5 ECTS) 2 further courses/ electives or electives Data Science (2·5 ECTS) 	
Machine Learning	Team project (10 ECTS)	only 120 ECTS option	
Process Mining	Master seminar		
Data Security, Law and Ethics in Data Science			
1. Semester Winter	2. Semester Summer	3. Semester Winter	

Legend:

- Data Engineering
- Data Analysis
- Business Developing
- Security and Ethics
- Application

Note:

Winter semester:
Mid October – End February.
Summer semester:
Mid April – End July.

Each block has a size of 5 ECTS (except Team project, 10 ECTS). This schedule is valid for a start in winter semester.