

M.Sc. Data Science and Artificial Intelligence (DSAI)

1. S	Foundations of Data Analytics (FDA, 6 LP)	Epistemology, Ethics and Privacy (EEP, 6 LP)	Fundamentals DSAI (9 LP)	Domain Knowledge (9 LP)
2. S	Seminar DSAI (3 LP)	Fundamentals DSAI (15 LP)		Advanced Topics DSAI (6 LP)
3. S	Project DSAI (9 LP)		Advanced Topics DSAI (12 LP)	Domain Knowledge (9 LP)
4. S	Finale Module (Master's Thesis 30 LP)			

Core Modules – Mandatory Courses in DSAI		
InfM-FDA – 1 st semester	Foundations of Data Analytics (6 ECTS)	64-754 Lecture Foundations of Data Analytics 64-755 Exercises
InfM-EEP – 1 st semester	Epistemology, Ethics and Privacy (6 ECTS)	64-752 Lecture Epistemology, Ethics and Privacy 64-753 Exercises
InfM-Sem/DSAI – 2 nd semester	Seminar (3 ECTS)	64-756 Seminar Data Science and Artificial Intelligence
InfM-Proj/DSAI – 3 rd semester	Project (3 ECTS)	64-757 Project Data Science and Artificial Intelligence
Required elective Modules – Fundamentals of DSAI – 24 ECTS out of the following modules: Winter semester: InfM-ALG (9 ECTS), InfM-STSP (9 ECTS), InfM-SWA (6 ECTS) Summer semester: InfM-DIS (9 ECTS), InfM-ML (9 ECTS), InfM-NN (6 ECTS) For further information please refer to STiNE – online course catalog		
InfM-STSP	Statistical Signal Processing (9 ECTS)	64-350 Lecture Statistical Signal Processing 64-351 Exercises
InfM-ALG	Algorithms (9 ECTS)	64-330 Lecture Algorithms 64-331 Exercises
InfM-SWA	Software Architecture (6 ECTS)	64-426 Lecture Software Architecture 64-427 Int. Seminar
Required elective Modules – Advanced Topics of DSAI – 18 ECTS out of the following modules: Winter semester: InfM-BAI, InfM-BKIM, InfM-CV 1, InfM-IR, InfM-NLP, InfM-OML, InfM-WV Summer semester: InfM-CV 2, InfM-LT, InfM-RT, InfM-SSV For further information please refer to STiNE – online course catalog		
Domain Knowledge – 24 ECTS out of the following domains: Biology, Chemistry, Earth System Sciences, Informatics, Mathematics, Physics Modules can be elected as offered, with a minimum of 24 ECTS in domains and free electives overall, including at least 6 ECTS from at least two different domains. Up to 6 ECTS can be acquired as free electives. For further information please refer to STiNE – online course catalog		

Winter Semester 2025/26: 1st Semester
M.Sc. Data Science and Artificial Intelligence (DSAI)
 STiNE Registration Period: 01.09.2025 am – 09.10.2025, 1 pm

	Monday	Tuesday	Wednesday	Thursday	Friday
8 – 10 am				64-351 Exercises Statistical Signal Processing Room F-132	
10 – 12 am	64-330 Lecture Algorithms Room F-132	64-350 Lecture Statistical Signal Processing Room F-132 64-426 Lecture Software Architecture Room D-125/129	64-330 Lecture Algorithms Room F-132	64-350 Lecture Statistical Signal Processing Room F-132	
12 – 2 pm	64-331 Exercises Algorithms	64-427 Seminar Software Architecture Room G-228	64-331 Exercises Algorithms		
2-4 pm		64-752 Lecture Epistemology, Ethics and Privacy Room F-635		64-754 Lecture Foundations of Data Analytics Room D-220	
4-6 pm		64-753 Exercises Epistemology, Ethics and Privacy Room F-635		64-755 Exercises Foundations of Data Analytics Room D-220	
6-8 pm					

For further information on Advanced Topics of DSAI and Domain Knowledge, please refer to STiNE – online course catalog